Smithcraft®

J. BONINO, SR.

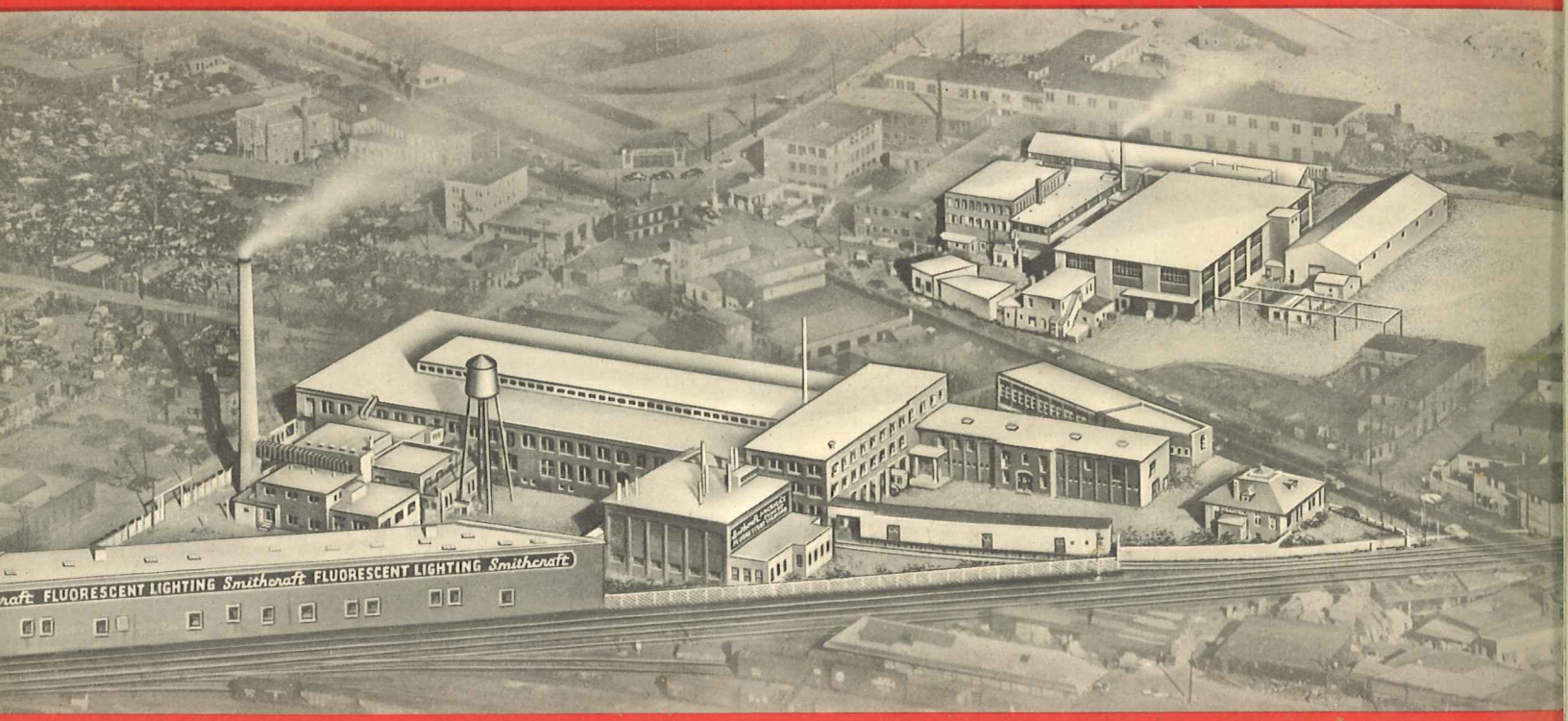
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COMMERCIAL, INDUSTRIAL & RECESS

FLUORESCENT LIGHTING EQUIPMENT

® Registered U. S. Patent Office

The headquarters of Smithcraft Lighting, a fabricator of quality metal products since 1897, is this 6-acre, modern production plant in Chelsea, Mass. A pioneer in the development of fluorescent lighting fixtures, Smithcraft today is considered a leader in the progressive advancement of fluorescent fixture design. Smithcraft supplements the full information on its complete line of commercial and industrial units contained in this catalog with an advisory and planning service, available at no obligation or cost. Please call on us whenever we can be of assistance.



Smithcraft STANDARDS OF QUALITY

Smithcraft fluorescent fixtures are designed and manufactured to a standard of quality which is guaranteed to equal or exceed the highest accepted standards of the industry. All electrical components in the lighting fixtures described on the following pages are ETL or CBM-certified and bear the UL label unless specifically listed to the contrary, or unless certification has not as yet been given to the classification of the component. All components incorporated into Smithcraft fluorescent fixtures (lampholders, ballasts, starters, etc.) are supplied by nationally-recognized manufacturers and are fully guaranteed by Smithcraft.

SECTION **A**

Smithcraft

LIGHTING CEILING SYSTEMS

Smithcraft®

COMMERCIAL and INDUSTRIAL FLUORESCENT LIGHTING EQUIPMENT

®Registered in U. S. Patent Office

CONTR.-DEALER PRICE CATALOG SCHEDULE CD220

JULY 21, 1958

This price Catalog supersedes Price Schedule #219 and 219A and all previous price lists.

Smithcraft COMMERCIAL FIXTURES

INDEX BY FIXTURE NAME

Name of Fixture	Cat. No.	Page No.
Chalkboarder	CB	20
Civic	CVC	16
Contrex Soundsheet — corrugated	CC	29
Contrex Soundsheet — flat	CF	29
Corridor-liter	CR	21
Cubex Louvers	CBX	29
Director	DIR	8–9
Executive	EX	15
EYE-Q	IQ	19
Federal	FED	18
Forum	FOR	5
Forum with Bronze Finish	FBR	5
Freeway	FRE	21
Large Element	LE	10–11
Linear	SLS	22
Mercury	MER	17
Sheraton	SN	14
Skylite	YE	20
Slendex — Recessed	RSX	7
Slendex — Surface	SSX	6
Smithcraft Area Illumination	SAI	24–25
Smithcraft Overall Illumination	SOI	26–27
Spot Boxes (Mercury)		17
Stem Sets and Hanging Devices		28
Strip	S	23
Twosome	TWC, TWFP TWPL, TWA TWR, TWX	12–13

INDEX BY CATALOG NO.

Cat. No.	Fixture Name	Page No.
CB	Chalkboarder	20
CBX	Cubex Louvers	29
CC	Contrex Soundsheet — corrugated	29
CF	Contrex Soundsheet — flat	29
CR	Corridor-liter	21
CVC	Civic	16
DIR	Director	8–9
EX	Executive	15
FBR	Forum with Bronze Finish	5
FED	Federal	18
FOR	Forum	5
FRE	Freeway	21
IQ	Eye-Q	19
LE	Large Element	10–11
MER	Mercury	17
RSX	Slendex — Recessed	7
S	Strip	23
SAI	Smithcraft Area Illumination	24–25
SLS	Linear	22
SN	Sheraton	14
SOI	Smithcraft Overall Illumination	26–27
SSX	Slendex — Surface Mounted	6
TWA	Twosome with Albalite Glass Shielding	13
TWC	Twosome with Compound Shielding	12
TWFP	Twosome with Flanged Polystyrene	13
TWPL	Twosome with Plastic Louvers	13
TWR	Twosome with Ribbed Skytex Glass	13
TWX	Twosome with Styrotex	13
YE	Skylite	20

Smithcraft INDUSTRIAL FIXTURES

INDEX BY FIXTURE NAME

Name of Fixture	Cat. No.	Page No.
A. L. S.	ALS	33
Economy	SE	35
Monitor	MFS-MFP	30
Monitor V	MVS-MVP	31
Power-Groove	PFS-PFP	32
Power-Groove V	PVS-PVP	32
Tech	TEC	34

INDEX BY CATALOG NO.

Cat. No.	Fixture Name	Page No.
ALS	A. L. S.	33
MFS-MFP	Monitor	30
MVS-MVP	Monitor V	31
PFS-PFP	Power-Groove	32
PVS-PVP	Power-Groove V	32
SE	Economy	35
TEC	Tech	34

FOR INDUSTRIAL PARTS AND ACCESSORIES SEE PAGE 35.

CONDITIONS OF SALE

TRANSPORTATION CLAIMS:

Our responsibility for safe delivery ceases when goods have been turned over in good condition to the transportation company. Shipments must be thoroughly checked immediately upon receipt for transportation damage, and if damaged, claims entered at once with carrier.

SHIPMENTS OUTSIDE DISTRIBUTOR'S TRADING AREA:

The company reserves the right to refuse to make direct shipments to destination points outside the area normally serviced by the distributor.

TERMS:

A cash discount of 1% will be allowed on the net amount of invoice dated from the 1st to the 15th inclusive, if paid not later than the 25th of the same month, and on invoices dated from the 16th to the last of the month inclusive, if paid not later than the 10th of the following month. Otherwise, terms are net 30 days from date of invoice.

RETURNS:

Fixtures or parts will be accepted within 6 months of shipping date for return only when authorized by us in writing from the home office at Chelsea, Mass. We will grant permission for the return if the material is new, is currently a listed item, and is received by us in good condition. From the credit to be issued, we will deduct transportation expense both ways, and in addition a minimum service charge of 15% of the invoice value. We will charge for costs incurred in handling, reconditioning, repacking in new cartons and putting the material in saleable condition. Products returned for defects in manufacture or errors in shipment will be accepted at full credit and without service charge. No product will be accepted for return if specially manufactured or specially made in any way to vary from our standard construction or finish.

PRICE CHANGES AND QUOTATIONS:

Prices are subject to change without notice. Distributor stock orders will be billed at prices in effect at time of shipment. Direct shipments to distributors' customers will be billed at prices and conditions as agreed at time order is accepted. All orders and quotations are subject to review and acceptance by the home office at Chelsea, Mass. Prices are subject to increase by the amount of any present or future taxes or increase in taxes upon the manufacture, sale, use or transportation of the herein products imposed by Federal, State, Municipal or other public authorities which the Seller may be required to pay.

DELIVERY CONTINGENCIES:

Delivery of all or any part of an order is contingent on our ability to get supplies and raw materials, and is further limited to the extent that our ability to deliver may be affected by requirements or regulations of the United States Government. All quotations and agreements as to deliveries including the acceptance of all orders and their delivery are subject to all Federal and State Laws, rulings, and regulations, and are also subject to strikes, labor stoppages, casualties, fires and any other causes beyond our control.

GUARANTEE:

Smithcraft fixtures bear the label of the Underwriters' Laboratories, Inc. Fixtures are Union Manufactured and assembled, and bear the label of the I. B. E. W., A. F. of L. Fixtures are tested before shipping, are in good working order, and are guaranteed to be free from defective material and workmanship. A new part will be furnished in exchange for any part in a fixture, which under normal use and service discloses a defect within a reasonable period after date of installation. This guarantee applies only to fixtures sold for use in the United States.

STANDARDS OF QUALITY

Smithcraft fluorescent fixtures are designed and manufactured to a standard of quality which is guaranteed to equal or exceed the highest accepted standards of the industry. All electrical components in the lighting fixtures described on the following pages are ETL-certified and bear the UL label unless specifically listed to the contrary, or unless certification has not as yet been given to the classification of the component. All components incorporated into Smithcraft fluorescent fixtures (lampholders, ballasts, starters, etc.) are supplied by nationally recognized manufacturers and are fully guaranteed by Smithcraft.

IMPORTANT ORDERING INFORMATION

SLIMLINE BALLASTS: All Slimline units are priced with **CBM-CERTIFIED SERIES-SEQUENCE** induction type 430 milliampere ballasts by manufacturer of our selection.

WIRING DATA: Fixtures are furnished individually wired not including circuit wires. 118-volt, 60 cycle, AC is standard on all fixtures. Where fixtures are listed for six lamps as in "3–42" units, prices are based on the use of three two-lamp ballasts per fixture.

SPECIAL VOLTAGES AND LEAD-LAG BALLASTS: Fixtures for other voltages and cycles, including lead-lag ballasts are available on special order and price. Check Smithcraft representative for added costs.

LAMPS NOT INCLUDED: Fixtures are furnished without lamps. The lamp designations shown under "No. and Type of Lamps" are for convenience when ordering lamps from the Supplier. The color required should be added to these designations.

RADIO INTERFERENCE SUPPRESSORS:

Catalog No.	User Net Price	Contr-Dealer Net Price	
No. 89G635 wired into fixture	**$4.88**	**$4.06**	
No. CD105 wired into fixture	**1.58**	**1.31**	

FUSES: 2 or 3 ampere wired into fixture for 250 volts or less using HKP fuseholder or for 250–600 volts using HPC-L fuseholder:

Fuseholder and Fuse	User Net Price	Contr-Dealer Net Price	
1 per ballast wired into fixture for 250 volts or less	**$.68**	**$.56**	
1 per ballast wired into fixture for 250–600 volts	**1.28**	**1.06**	

LEVOLIER PULL SWITCHES: May be furnished installed in all commercial and industrial fixtures at added cost shown below, for 6 ampere rating:

Catalog No.	User Net Price	Contr-Dealer Net Price	
P400 #1 Single Pole wired into fixture	**$1.43**	**$1.19**	

ACCESSORIES: For hanging devices and stem sets for commercial fixtures, see Page 28. For industrial fixture accessories, see Page 35.

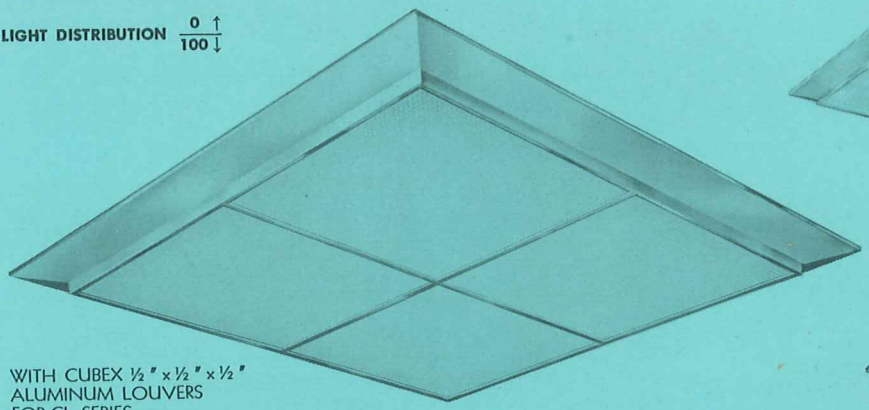
THE *Smithcraft* BONDERITE AND BAKED ENAMEL PROCESS

For maximum corrosion resistance and paint adhesion, all steel parts of Smithcraft Fluorescent Lighting Fixtures are protected by a 5-stage wash and phosphatize Bonderite process prior to finishing with high temperature baked enamel. In addition to its superior appearance, this Smithcraft finish has these outstanding qualities:

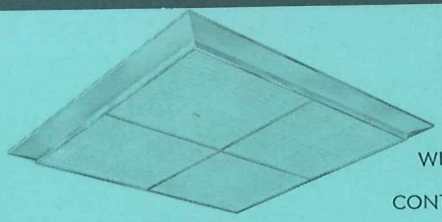
- Adheres firmly to metal
- Stays white indefinitely without yellowing
- Provides positive resistance to heat and chemicals
- Resists abrasion because of optimum hardness
- Reflects a maximum percentage of light

FOR RAPID-START BI-PIN LAMPS

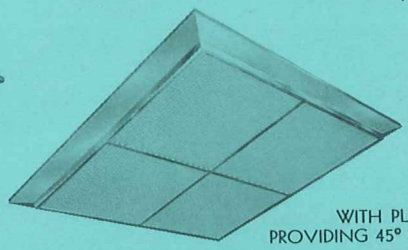
LIGHT DISTRIBUTION $\frac{0\uparrow}{100\downarrow}$



WITH CUBEX ½" x ½" x ½" ALUMINUM LOUVERS FOR-CL SERIES



WITH HOLOPHANE PRISMALUME CONTROLENS® #6024 FOR-H SERIES



WITH PLASTIC LOUVERS PROVIDING 45° x 45° SHIELDING FOR-PL SERIES

Large, extruded, anodized aluminum-framed unit of architectural beauty . . . in excellent taste for lobbies, banks insurance companies, public buildings, institutions, etc. Nearly 35% larger than conventional 4′ x 4′ or 2′ x 4′ units. Designed so the sides of the unit and surrounding ceiling are softly lighted by illumination from the fixture.

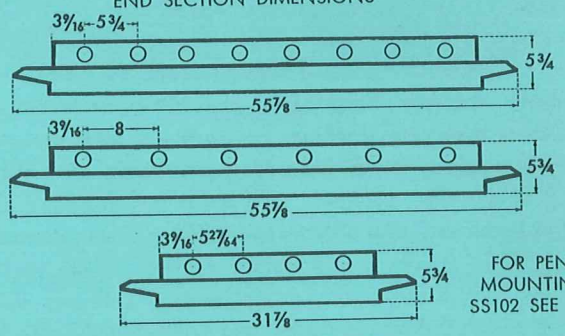
With Smithcraft Cubex Aluminum Louvers with ½″ x ½″ x ½″ cells providing 45° x 45° shielding the Forum is low-bright, presenting a "textured" appearance, a pleasing crispness and providing a good efficiency. Light-weight, yet strong and durable, Cubex Louvers are permanently locked at each intersection. Cubex Louvers are finished in white non-specular baked white enamel.

With Holophane Prismalume Controlens®#6024 Forum has both longitudinal and transverse light control resulting in glare-free illumination and absence of shadows. Prismatic construction permits high lighting levels without visual discomfort.

With Plastic Louvers, 45° x 45° shielding is provided in a very clean pleasing appearance.

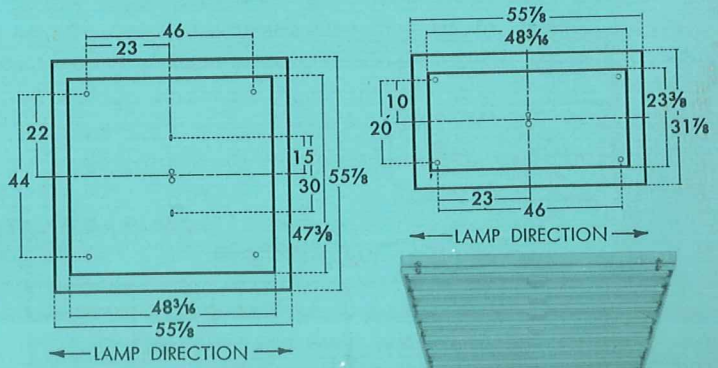
Surface or pendant mounted. Housing is surface mounted through knockouts in four corners. One-piece shielding assembly hooks on from (and may be removed from) either side to swing down on heavy cast aluminum hinges by simple finger action on spring-activated catches. Pendant mounted with four stem sets (SS102) through knockouts in four corners.

END SECTION DIMENSIONS



FOR PENDANT MOUNTING USE SS102 SEE PAGE 28

SPACING OF KNOCKOUTS

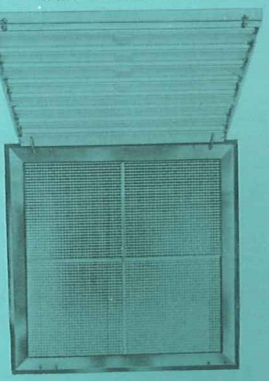


Large, impressive, distinctive — nearly 22 square feet — 35% larger than conventional units.

Lighting from sides creates a pleasing effect, illuminating sides and the surrounding ceiling.

One-piece shielding assembly hinges from either side on heavy cast aluminum alloy hinges. Spring activated catches easily released. Shielding assembly easily removed by lifting from unit.

Finish of frame is anodized aluminum.



Extruded anodized aluminum frame with mitered corners — clean, architectural lines. Cross tees are of extruded aluminum.

FOR RAPID-START BI-PIN LAMPS

CUBEX ½″ x ½″ x ½″ ALUMINUM LOUVERS (45° x 45° SHIELDING)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price	
56″ x 56″ UNITS (4′ x 4′ MODULE)					
FOR8-40CL	8 F40T12RS	90	**$173.25**	**$144.38**	
FOR6-40CL	6 F40T12RS	85	**162.00**	**135.00**	
32″ x 56″ UNITS (2′ x 4′ MODULE)					
FOR4-40CL	4 F40T12RS	61	**114.90**	**95.75**	

HOLOPHANE PRISMALUME CONTROLENS® #6024

56″ x 56″ UNITS (4′ x 4′ MODULE)					
FOR8-40H	8 F40T12RS	94	**$217.50**	**$181.25**	
FOR6-40H	6 F40T12RS	89	**202.50**	**168.75**	
32″ x 56″ UNITS (2′ x 4′ MODULE)					
FOR4-40H	4 F40T12RS	63	**135.00**	**112.50**	

PLASTIC LOUVERS (45° x 45° SHIELDING)

56″ x 56″ UNITS (4′ x 4′ MODULE)					
FOR8-40PL	8 F40T12RS	78	**$157.50**	**$131.25**	
FOR6-40PL	6 F40T12RS	73	**146.25**	**121.88**	
32″ x 56″ UNITS (2′ x 4′ MODULE)					
FOR4-40PL	4 F40T12RS	55	**107.25**	**89.38**	

FORUM WITH ANODIZED BRONZE FINISH

Available for use where a bronze finish will harmonize with and enhance the surroundings. Change catalog prefix to FBR.

	User Net Price	Contr-Dealer Net Price	
Add to price of 56″ wide units	**$9.00**	**$7.50**	
Add to price of 32″ wide units	**6.00**	**5.00**	

PACKED ONE UNIT TO A CARTON. SHIELDING PACKED SEPARATELY.

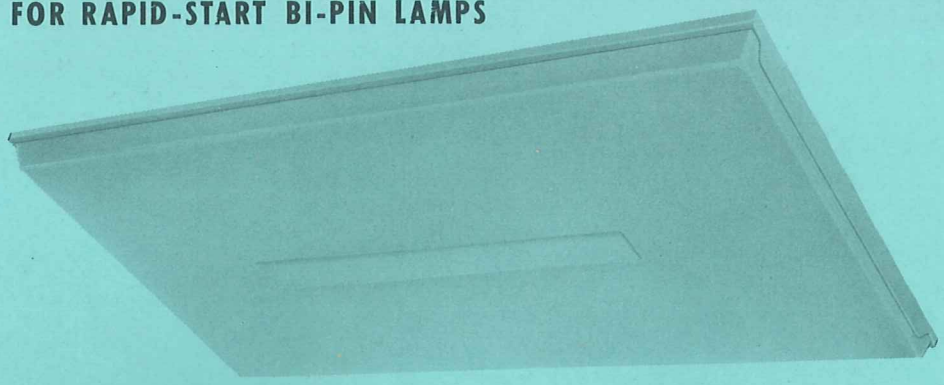
® The Holophane Company Inc.

SSX Smithcraft SLENDEX (SURFACE MOUNTED) 1′ and 2′ WIDE SSX

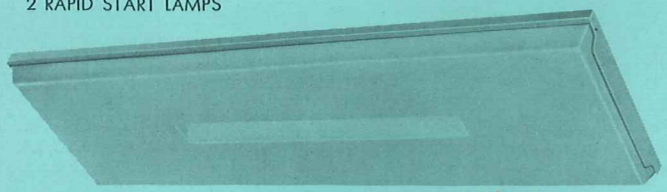
LIGHT DISTRIBUTION $\frac{0 \uparrow}{100 \downarrow}$

FOR RAPID-START BI-PIN LAMPS

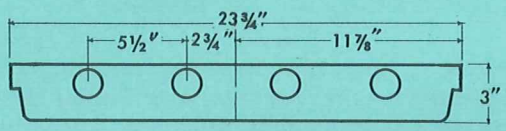
2′ x 4′ SLENDEX FOR
4 RAPID START LAMPS

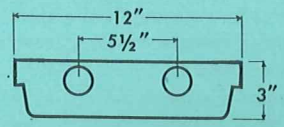


1′ x 4′ SLENDEX FOR
2 RAPID START LAMPS

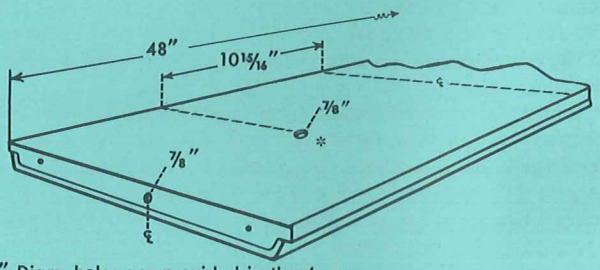


END SECTION DIMENSIONS





SPACING OF KNOCKOUTS



3/16″ Diam. holes are provided in the 4 corners for toggle bolts, screws, etc.

*THIS K.O. ON ONE END ONLY

Extremely shallow luminaires providing architecturally clean and pleasing lighting for today's interiors. Units have an overall depth including shielding of only 3″. These units provide excellent lighting for low-ceilinged areas. Shielded by an extruded polystyrene diffusing panel, the surface of the unit is cleanly and uniformly lighted . . . pleasing and glare-free. No dark streaks or light leaks. Panels are of high impact strength, break resistance and light stability after prolonged use. Easily and quickly mounted by the use of screws, expansion bolts, etc., the light-weight housing is mounted on the ceiling, and the polystyrene diffusing panel is simply snapped in without tools. Plastic diffusing panels are easily opened for servicing or relamping. May be removed entirely without use of tools or loose parts. Side from which shielding hinges is optional.

FOR RAPID-START BI-PIN LAMPS

ONE-FOOT WIDE (1′ x 4′)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SSX2-40	2 F40T12RS	23	$32.93	$27.44	

TWO-FOOT WIDE (2′ x 4′)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SSX4-40	4 F40T12RS	37	$56.33	$46.94	

NOTE: It is important when ordering to supply row information (number of rows and number of units per row) so that necessary fittings will be supplied at no additional cost.

Extremely shallow . . . housing depth 1⅜″ . . . shielding depth 1⅝″. Overall depth only 3″. 1′ and 2′ wide.

Side from which panel hinges is optional.

No light leaks.



Architecturally clean, uniformly lighted plastic diffusing panel — no dark streaks.

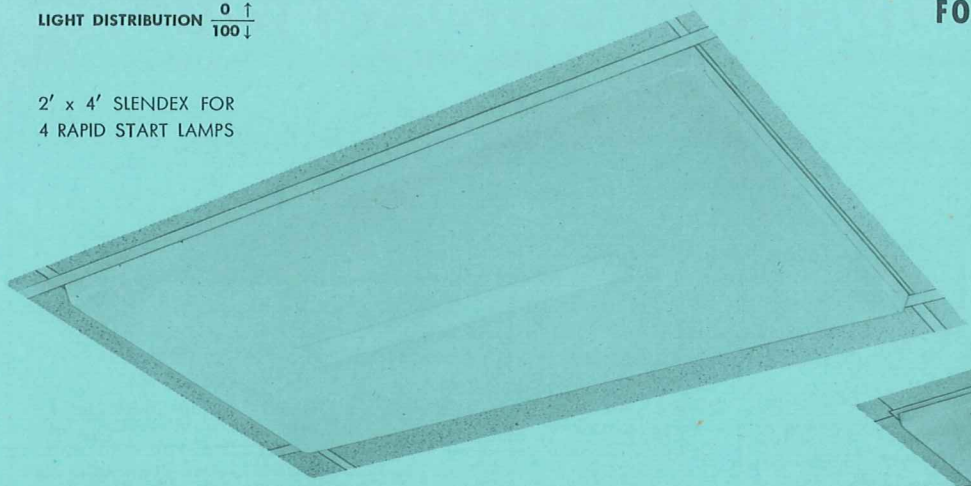
Plastic panel releases and closes quickly and efficiently with simple finger action.

LIGHT DISTRIBUTION $\frac{0\uparrow}{100\downarrow}$

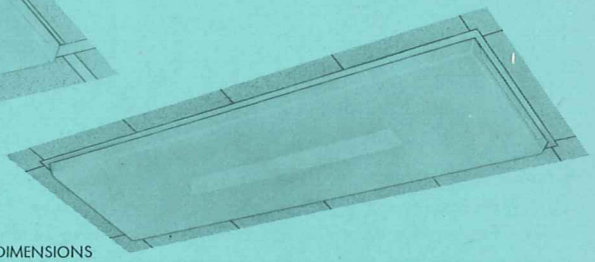
FOR RAPID-START BI-PIN LAMPS

NOTE: *It is important when ordering to supply row information (number of rows and number of units per row) and type of ceiling construction so that necessary fittings will be supplied.*

2′ x 4′ SLENDEX FOR
4 RAPID START LAMPS

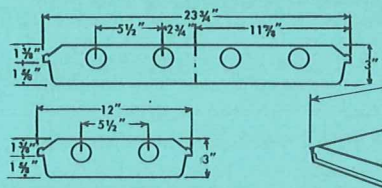


1′ x 4′ SLENDEX FOR
2 RAPID START LAMPS

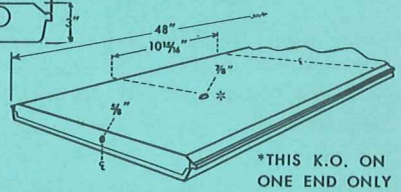


A unique and practical solution to absolute minimum cavity — low ceiling conditions to save on building heights and construction costs. Units recess only 1⅜″ . . . less than the depth of most ceiling supporting members. Eliminates the cost of cutting members. May also be installed in existing ceiling requiring only 1⅜″ in cavity depth with no disturbance of existing ceiling supporting members. Shielded by an extruded and formed polystyrene diffusing panel, surface is cleanly and uniformly lighted with no dark streaks and no light leaks. Panels are of medium impact strength, break resistance and light stability after prolonged use. Require only one man installation. Units go into ceiling flat requiring no extra depth for tilting. Four indicators are turned 90° and the troffer is supported on ceiling members. Four adjusting nuts are then turned for final up and down adjustment. In inverted "T" systems one side of the unit is compressible. Installed quickly and easily in most of today's common ceilings.

END SECTION DIMENSIONS



SPACING OF KNOCKOUTS,
1′ AND 2′ UNITS



*THIS K.O. ON ONE END ONLY

NOTE: Units listed will cover the great majority of all types of ceiling construction in use today. There may be instances, however, where it is desirable to support troffers from ceiling members (1½″ channel or other) which are positioned more than 1⅝″ above the ceiling line. In these cases special hanger brackets (4 per fixture — Cat. No. SX37) are required on special order. These brackets will support troffers on members which are recessed up to 3¾″ above the ceiling line.

Catalog No.	Special Hanger Bracket	User Net Price	Contr. Dealer Net Price	
SX37	(4 required per fixture)	.75 each	.63 each	

ONE-FOOT WIDE (1′ x 4′) FOR RAPID-START BI-PIN LAMPS TWO-FOOT WIDE (2′ x 4′)

FOR EXPOSED INVERTED "T" SYSTEMS SUCH AS EASTERN, CUPPLES, ETC.

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
RSXG2-40	2 F40T12RS	19	$33.00	$27.50	

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
RSXG4-40	4 F40T12RS	32	$59.40	$49.50	

FOR METAL PAN CEILINGS SUPPORTED BY T-BARS

RSXT2-40	2 F40T12RS	20	33.75	28.13	
RSXT4-40	4 F40T12RS	33	59.85	49.88	

FOR SOFT TILE CEILINGS SUPPORTED BY Z-SPLINES, H-SPLINES, ETC. (FLANGED SLENDEX UNITS)

RSXF2-40	2 F40T12RS	20	34.88	29.06	
RSXF4-40	4 F40T12RS	33	61.50	51.25	

FOR STANDARD PLASTER CEILINGS UP TO ⅝″ THICK (FLANGED SLENDEX UNITS) SUPPLIED WITH NECESSARY PLASTER FRAME*

RSXP2-40	2 F40T12RS	26	39.00	32.50	
RSXP4-40	4 F40T12RS	44	66.00	55.00	

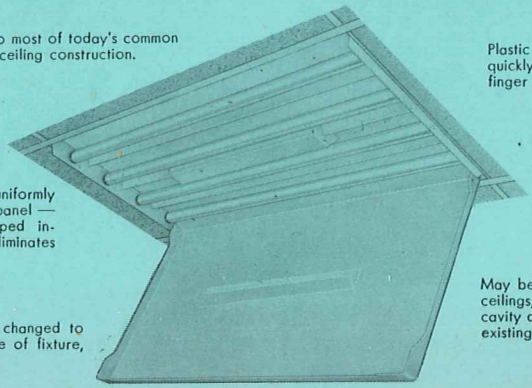
*For acoustical plaster ceilings up to 1¼″ thick specify "acoustical plaster frame" on order and add per linear foot of troffer.

A2010	1′ wide units	.26	.21	per linear foot of troffer
A2011	2′ wide units	.38	.31	per linear foot of troffer

Adapts to most of today's common types of ceiling construction.

Plastic panel releases and closes quickly and efficiently with simple finger action.

Recesses only 1⅜″ — less than the depth of most ceiling members . . . eliminates cost of cutting members.



No light leaks.

One-man, simple, fast installation. Goes in flat . . . requires no cavity depth for tilting.

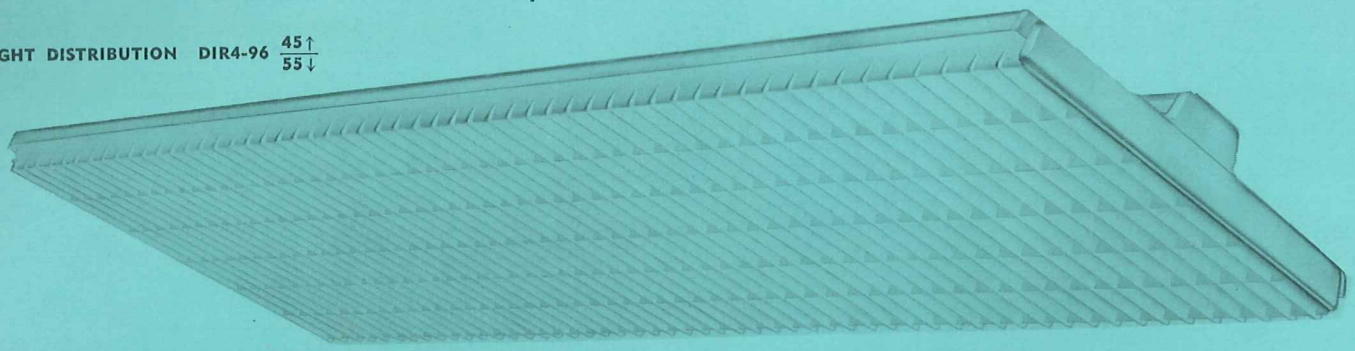
Architecturally clean, uniformly lighted plastic diffusing panel — interesting triangular shaped inverted pattern in center eliminates dark center streak.

May be installed easily in existing ceilings, requiring only 1⅜″ in cavity depth and no disturbance of existing ceiling supporting members.

Plastic panel may be changed to hinge on opposite side of fixture, if required.

FOR SLIMLINE LAMPS; FOR BI-PIN LAMPS— RAPID START

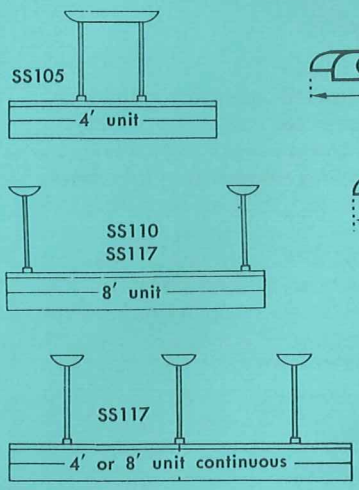
LIGHT DISTRIBUTION DIR4-96 $\frac{45\uparrow}{55\downarrow}$



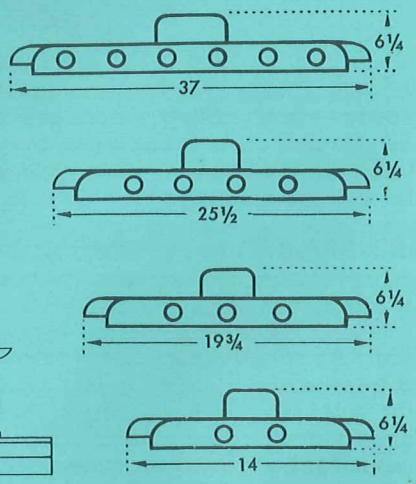
For a truly sound investment of lighting dollars, the Smithcraft Director is in a class by itself! Installed in literally thousands of banks, stores, schools, offices and similar locations across the United States, the Director is actually a "lighting element" that provides highest quality illumination through a large "area of light" source.

Through its distinctive appearance and outstanding lighting qualities the Director brings many "plus" values wherever it is installed. The Director is an all-steel, louvered unit finished in White Supercoat Baked Enamel with end sections in aluminum finish. It may be mounted individually or in continuous rows, surface or pendant. Rigid egg-crate louvers, supplied in the same length as the unit provide a shielding of 25° crosswise, 35° lengthwise. If desired, a deluxe louver may be supplied to provide increased shielding to 40° crosswise; 35° lengthwise. (See opposite page). For relamping or other maintenance the louver is released from either end and is "shelf-suspended." Top reflectors may be supplied to direct all or part of the uplighting downwards.

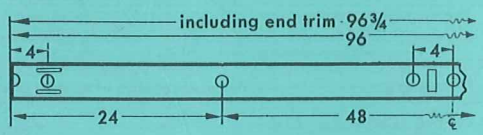
SUGGESTED PENDANT MOUNTING



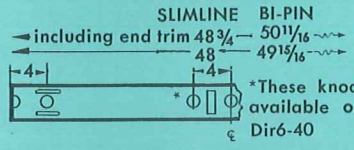
END SECTION DIMENSIONS



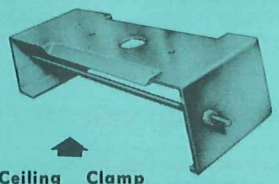
SPACING OF 11/16 KNOCKOUTS



SLIMLINE BI-PIN



*These knockouts are not available on Dir6-48 — Dir6-40



CC503 — Ceiling Clamp for Surface Mounting
Clamps (two per fixture) are fastened to ceiling and Director is inserted. Bolts are tightened.



SS117 — Canopy and Stem-Set for Pendant Mounting the Director
Fixture is inserted and clamps and bolts are tightened. Single 24" steel stem (O.D. 11/16").

SS110 — Canopy and Stem-Set for Pendant Mounting the Director
Single 24" steel stem (O.D. 11/16), Canopy bar, levelling strap, fittings.



For longer lengths of stems SS110 and SS117 see adder listed for SS110 page 28

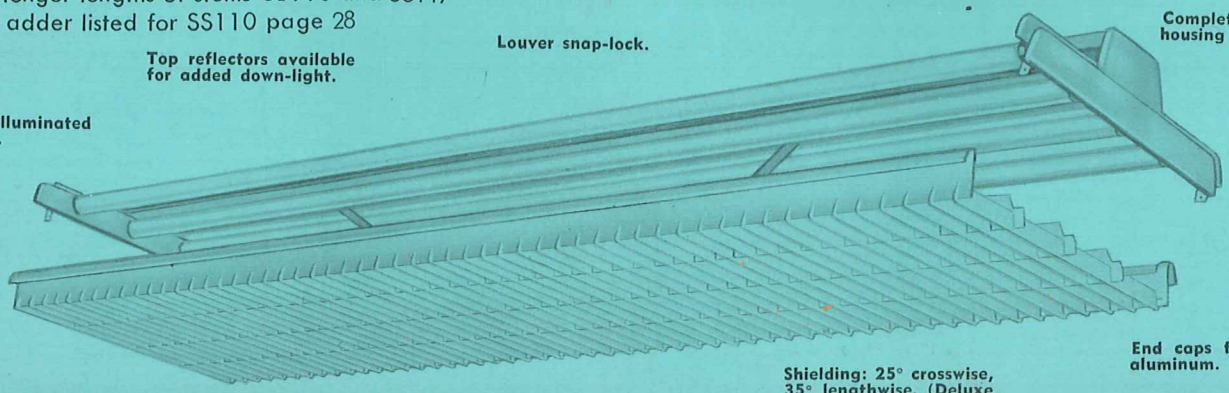
Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
SS110	Canopy and Stem-Set	$2.63	$2.19	
SS117	Canopy and Stem-Set	3.00	2.50	
CC503	Ceiling Clamp ea.	.90	.75	

Completely enclosed housing channel.

Louver snap-lock.

Top reflectors available for added down-light.

Self-illuminated sides.



End caps finished in aluminum.

Channel covers are removed for easy access to ballast and wiring.

Strong lever-hangers for louver suspension.

Shielding: 25° crosswise, 35° lengthwise. (Deluxe louver available for shielding of 40° crosswise, 35° lengthwise.)

FOR SLIMLINE LAMPS; FOR BI-PIN LAMPS—RAPID-START

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
DIR2-40	2 F40T12RS	35	$33.54	$27.95	
DIR3-40	3 F40T12RS	42	49.46	41.21	
DIR4-40	4 F40T12RS	45	60.30	50.25	
DIR6-40	6 F40T12RS	63	82.44	68.70	

Due to ballast interference with knockouts, for surface mounting (DIR6-40) two CC503 clamps will be furnished no charge. For pendant mounting use SS117 or SS110 at extra cost as listed on the opposite page.

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
DIR2-96	2 F96T12	58	$62.87	$52.39	
DIR2-48	2 F48T12	35	40.32	33.60	
DIR3-96	3 F96T12	81	91.65	76.38	
DIR3-48	3 F48T12	46	66.54	55.45	
DIR4-96	4 F96T12	86	95.79	79.83	
DIR4-48	4 F48T12	48	69.11	57.59	
DIR6-96	6 F96T12	131	155.54	129.61	
DIR6-48	6 F48T12	72	96.48	80.40	

Because of size limitations, Series ballasts only can be furnished for DIR6-48. For surface mounting, (DIR6-48) two CC503 clamps will be furnished, no charge. For pendant mounting, use SS117 or; SS110 at extra cost as listed on the opposite page.

DIRECTOR WITH DELUXE LOUVERS

Providing shielding 40° crosswise, 35° lengthwise

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
DIR2-40DL	2 F40T12RS	38	$35.96	$29.96	
DIR3-40DL	3 F40T12RS	45	52.34	43.61	
DIR4-40DL	4 F40T12RS	49	63.66	53.05	
DIR6-40DL	6 F40T12RS	67	87.20	72.66	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
DIR2-96DL	2 F96T12	67	$67.16	$55.97	
DIR2-48DL	2 F48T12	38	42.74	35.61	
DIR3-96DL	3 F96T12	90	96.87	80.73	
DIR3-48DL	3 F48T12	49	69.42	57.85	
DIR4-96DL	4 F96T12	95	102.57	85.48	
DIR4-48DL	4 F48T12	52	72.47	60.39	
DIR6-96DL	6 F96T12	139	165.75	138.13	
DIR6-48DL	6 F48T12	75	101.24	84.36	

Packed one complete housing to a carton; two louvers to a carton except that louvers for all Director 6-light units and the DIR4-96 are packed one louver to a carton. Louvers for the DIR4-40 and DIR2-96 are packed one louver to a carton for stock shipments. Fittings for normal continuous mounting included.

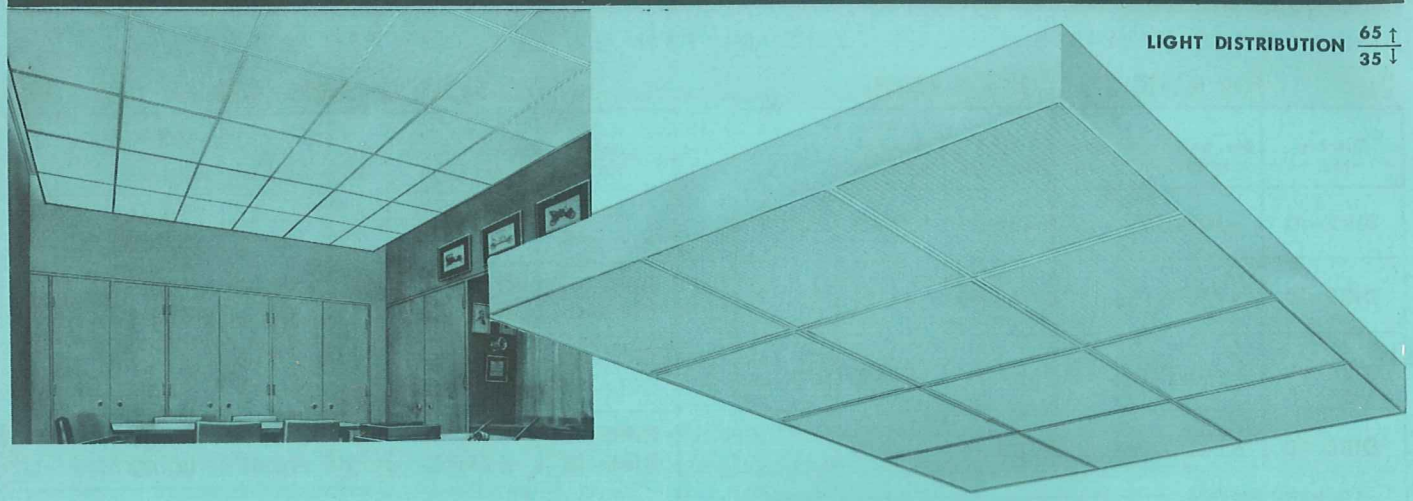
TOP REFLECTORS

Top reflectors may be supplied to direct all of the uplighting downwards or they may be supplied for partial downlighting.

Catalog No. and Description		For Use With	User Net Price	Contr-Dealer Net Price	
D820	Pair of top reflectors for 100% down-lighting 2-light fixtures	Director 2-light, 8′ Slimline Series	$4.29	$3.58	
D420		Director 2-light, 4′ Slimline Series	2.42	2.01	
DB420		Director 2-light, 4′ Bi-Pin Series	2.42	2.01	
Note: The three top reflectors listed directly above may be used with 4-light, and 6-light Directors for partial additional down-lighting.					
D830	Pair of top reflectors for 100% down-lighting 3-light fixtures	Director 3-light, 8′ Slimline Series	$6.17	$5.14	
D430		Director 3-light, 4′ Slimline Series	3.36	2.80	
DB430		Director 3-light 4′ Bi-Pin Series	3.36	2.80	

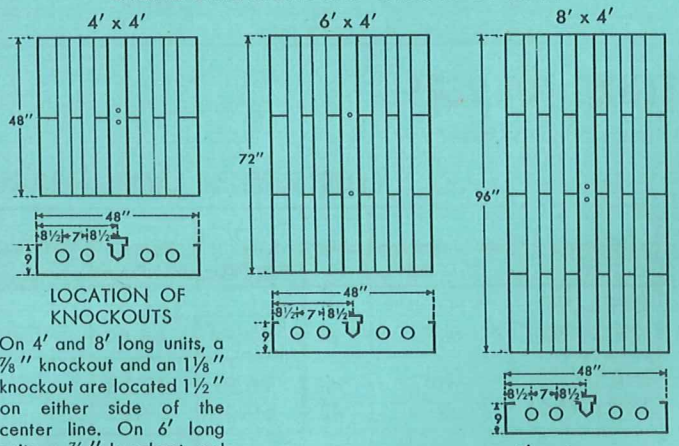
Catalog No. and Description		For Use With	User Net Price	Contr-Dealer Net Price	
D840	Pair of top reflectors for 100% down-lighting 4-light fixtures	Director 4-light, 8′ Slimline Series	$8.58	$7.15	
D440		Director 4-light, 4′ Slimline Series	4.76	3.96	
DB440		Director 4-light, 4′ Bi-Pin Series	4.76	3.96	
Note: The three top reflectors listed directly above may be used to provide partial additional down-lighting with 6-light Director units.					
D860	Pair of top reflectors for 100% down-lighting 6-light fixtures	Director 6-light, 8′ Slimline Series	$12.87	$10.73	
D460		Director 6-light, 4′ Slimline Series	7.17	5.98	
DB460		Director 6-light, 4′ Bi-Pin Series	7.17	5.98	

SEE PAGE 4 FOR IMPORTANT ORDERING INFORMATION.



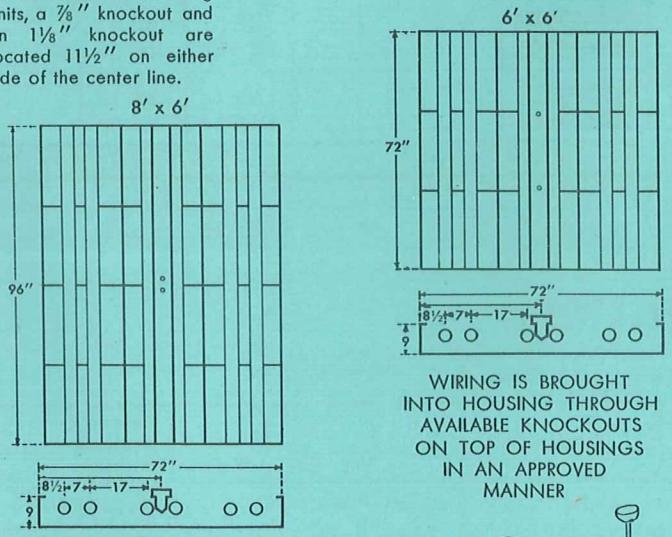
LIGHT DISTRIBUTION $\frac{65\uparrow}{35\downarrow}$

OVERALL DIMENSIONS AND SPACING OF LAMPS



LOCATION OF KNOCKOUTS

On 4′ and 8′ long units, a ⅞″ knockout and an 1⅛″ knockout are located 1½″ on either side of the center line. On 6′ long units, a ⅞″ knockout and an 1⅛″ knockout are located 11½″ on either side of the center line.



WIRING IS BROUGHT INTO HOUSING THROUGH AVAILABLE KNOCKOUTS ON TOP OF HOUSINGS IN AN APPROVED MANNER

Smithcraft Large Element Lighting is an important new technique in the application of very high levels of illumination with maximum comfort and with uniform low brightness. Large Element Lighting consists of large modules which are architectural in form — functional and unobtrusive. These modules are used separately or assembled to create a system which provides the effect, the economies and the utility of dropped ceiling construction along with new economies of installation.

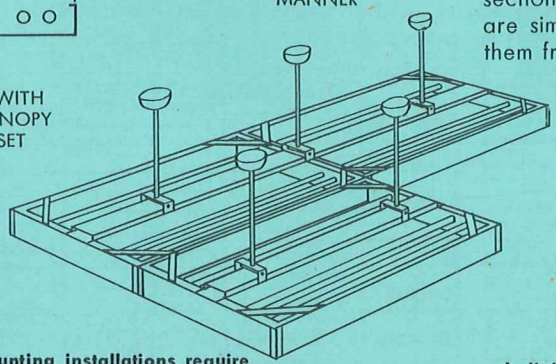
These Smithcraft Large Element modules have exact dimensions in both directions so they may be used to create **exactly** any multiple of 2′ in length or in width from 4′ x 4′ up. With five different sizes of units, a wide variety of areas and patterns are possible. Smithcraft Large Elements are joinable in both directions.

Lighting characteristics are excellent for very high levels of illumination. The surface appearance of a Large Element installation is comfortable, uniform, clean and trim. The upper room walls at the periphery are flooded by light above the unit. When this region is in the line of vision an otherwise disturbing brightness contrast of walls to luminaire surface is eliminated.

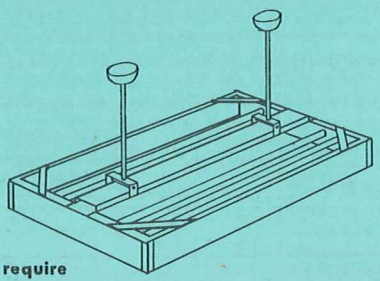
Large Element Lighting is easy and economical to install because each element comes from the factory pucked in a single carton (less shielding) and no further assembly is required other than installing the shielding. An element is removed from the carton and hung on rods and levelled very much as you would mount a conventional fluorescent lighting fixture. Very large areas composed of large element modules may be installed in an amazingly short time effecting substantial savings. Large Element Lighting hangs free from the wall eliminating all the costly wall attachments. Elements may be joined together in either direction by bolting the sides.

Maintenance and relamping are simple. The 2′ x 2′ diffuser sections are laid in position on cross tees and for maintenance are simply lifted up and slid out of the way without removing them from the unit.

MOUNTING WITH THE SS119 CANOPY AND ROD SET



Continuous mounting installations require one canopy and rod set more per row than the number of units in a row. In side by side mounting of units, 2 canopy and rod sets per unit are required



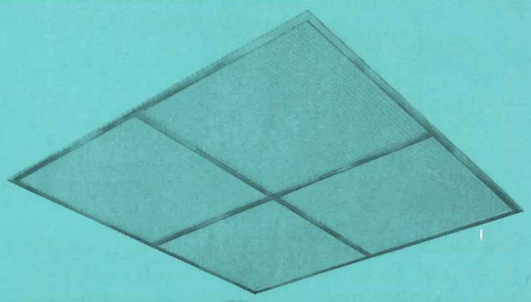
Individual units require 2 canopy and rod sets per unit

FOR SLIMLINE LAMPS

WITH CUBEX ALUMINUM ½" x ½" x ½" LOUVERS (PROVIDING 45° x 45° SHIELDING)

(For 430-MA Slimline Lamps)

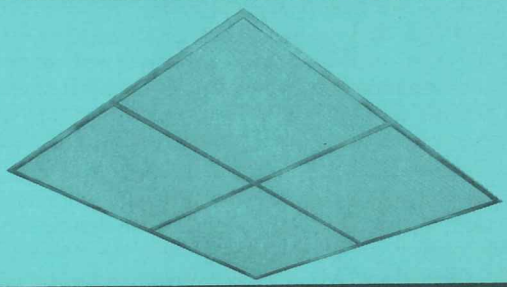
Catalog No.	Length	Width	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price	
LE44-CL	4′	4′	4 F48T12	93	$145.50	$121.25	
LE64-CL	6′	4′	4 F72T12	117	187.50	156.25	
LE84-CL	8′	4′	4 F96T12	143	215.78	179.81	
LE66-CL	6′	6′	6 F72T12	149	241.50	201.25	
LE86-CL	8′	6′	6 F96T12	181	288.38	240.31	



WITH PLASTIC LOUVERS (PROVIDING 45° x 45° SHIELDING)

(For 430-MA Slimline Lamps)

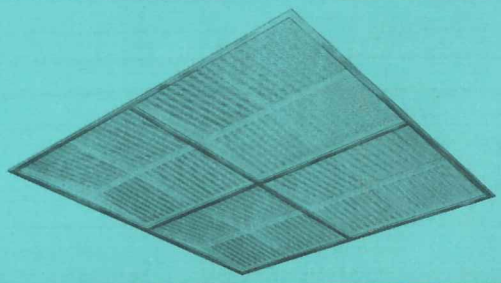
LE44-PL	4′	4′	4 F48T12	91	$119.40	$ 99.50	
LE64-PL	6′	4′	4 F72T12	115	157.13	130.94	
LE84-PL	8′	4′	4 F96T12	140	175.88	146.56	
LE66-PL	6′	6′	6 F72T12	146	198.00	165.00	
LE86-PL	8′	6′	6 F96T12	177	240.00	200.00	



WITH HOLOPHANE PRISMALUME CONTROLENS® #6024

(For 430-MA Slimline Lamps)

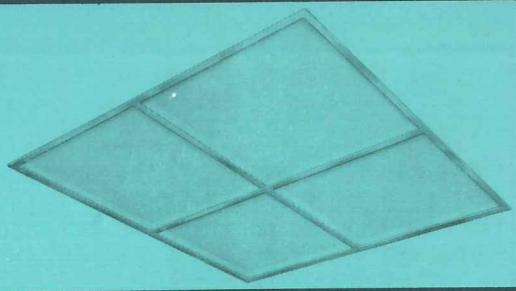
LE44-H	4′	4′	4 F48T12	117	$171.90	$143.25	
LE64-H	6′	4′	4 F72T12	154	220.50	183.75	
LE84-H	8′	4′	4 F96T12	192	273.38	227.81	
LE66-H	6′	6′	6 F72T12	204	306.00	255.00	
LE86-H	8′	6′	6 F96T12	255	377.25	314.38	



WITH POLYSTYRENE PLASTIC DISH

(For 430-MA Slimline Lamps)

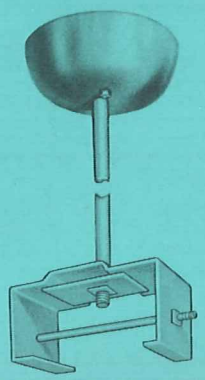
LE44-PD	4′	4′	4 F48T12	89	$119.63	$ 99.69	
LE64-PD	6′	4′	4 F72T12	111	154.50	128.75	
LE84-PD	8′	4′	4 F96T12	135	174.00	145.00	
LE66-PD	6′	6′	6 F72T12	140	187.50	156.25	
LE86-PD	8′	6′	6 F96T12	169	228.00	190.00	



Large Element units are available on special order and price with 800-MA Rapid-Start Lamps where high intensities are desired.

SS119 CANOPY AND ROD SET 2 required per Large Element unit in individual mounting or in side-by-side mounting. In continuous mounting, one more canopy and rod set is required than the number of units in the row or two rod sets may be used. Couplings are furnished for continuous mounting.
Quickly and easily mounted to outlet box or ceiling, saving hours of costly installation time. May be slid anywhere along the length of the Large Element housing. Levelling screws permit exact levelling after installation.
Consists of canopy, single 18" long ⅜" diameter rod, heavy canopy bar, fittings, clamp hanger with levelling screws.

Catalog No.	User Net Price	Contr. Dealer Net Price	
No. SS119	$2.63	$2.19	
For rod set listed above, for longer lengths, add for each foot or fraction thereof	.44	.36 Per foot per rod	

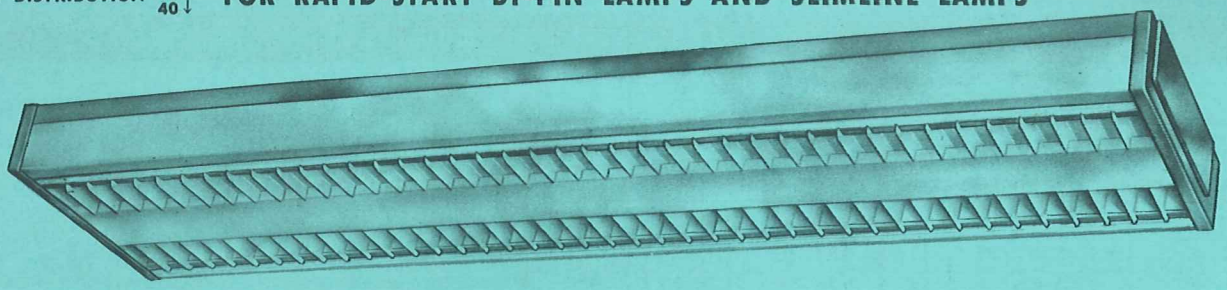


SS119

® The Holophane Company Inc.

LIGHT DISTRIBUTION 60↑ 40↓

FOR RAPID-START BI-PIN LAMPS AND SLIMLINE LAMPS

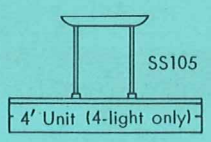


The Twosome by Smithcraft is a high quality, top value, economical unit, ideal for schools, offices, stores, and similar installations. The unit has a new **compound shielding** which, because of a unique new design technique, provides **45° x 45° shielding** in a very shallow unit (only 3 1/16" deep). Because of this new design technique, there is a complete absence of the dark center streak, usually found in very shallow units of other manufacture. This unit presents a perfectly clean, unmarred appearance. A light spill at the ends of the unit accents the precise architectural lines of the fixture and improves contrast between fixture sides and ends when installed individually.

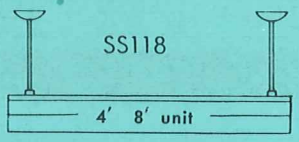
Bottom shielding is a combination of a strip of extruded polystyrene with white steel baffles on either side. Side diffusers are also of extruded polystyrene within a steel frame.

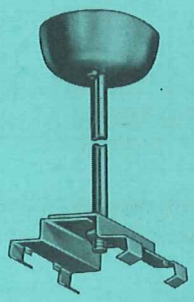
The bottom shielding, together with the side shields is a complete assembly which is hinged from either side or easily lifted from the unit. The unit may be surface or pendant mounted individually or in continuous rows.

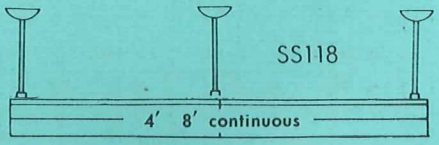
SUGGESTED PENDANT MOUNTING



FOR SS105 PRICES SEE PAGE 28

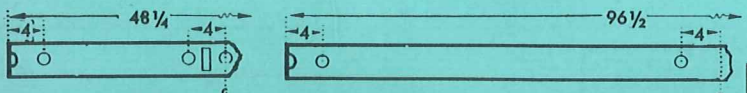




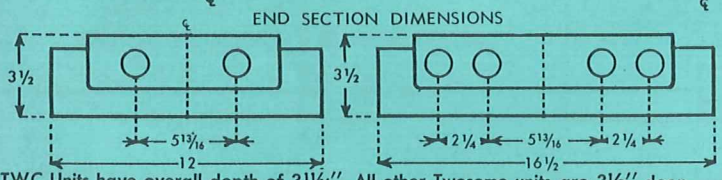


SS118 — Canopy and Stem Set — For fast labor-saving installation one side of clamp fits on housing — other side swings down to grip housing. Top lock nut is tightened. Clamp is slideable along housing when individually mounted. May be used between fixtures in continuous rows.

SPACING OF KNOCKOUTS



END SECTION DIMENSIONS



TWC Units have overall depth of 3 1/16". All other Twosome units are 3 1/2" deep.

Catalog No. and Description	User Net Price	Contr-Dealer Net Price	
SS118 Canopy and Stem Set — Canopy, single 15" steel stem (o.d. 1/2"), heavy canopy bar, tong channel bracket, adjustable stem fittings.	$2.93	$2.44	
For longer lengths, add for each foot or fraction thereof	.42	.35	

COMPOUND SHIELDING (PROVIDING 45° x 45° SHIELDING)

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TWC2-40	2 F40T12/RS	22	$25.43	$21.19	
TWC2-42	4 F40T12/RS (8' Housing)	42	49.88	41.56	
TWC4-40	4 F40T12/RS	31	40.43	33.69	
TWC4-42	8 F40T12/RS (8' Housing)	60	79.35	66.13	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TWC2-96	2 F96T12	46	$46.50	$38.75	
TWC4-96	4 F96T12	65	73.13	60.94	

Packed one complete unit to a carton with all fittings for normal continuous row mounting.

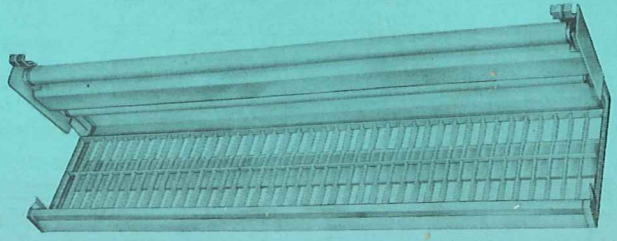
TOP REFLECTORS FOR DOWNLIGHTING (cost per pair of reflectors per fixture)

Catalog No.	For Use With	User Net Price	Contr-Dealer Net Price	
T-48	4' units — 2 lamp	$2.93	$2.44	
T-484	4' units — 4 lamp	4.35	3.63	

Catalog No.	For Use With	User Net Price	Contr-Dealer Net Price	
T-962	8' units — 2 lamp	$5.78	$4.81	
T-964	8' units — 4 lamp	8.48	7.06	

No dark center streak — a perfectly clean, unmarred appearance. A very shallow unit — only 3 1/16" deep.

Bottom shielding together with side shields is a complete assembly. Hinges from either side. Easily removed entirely from fixture

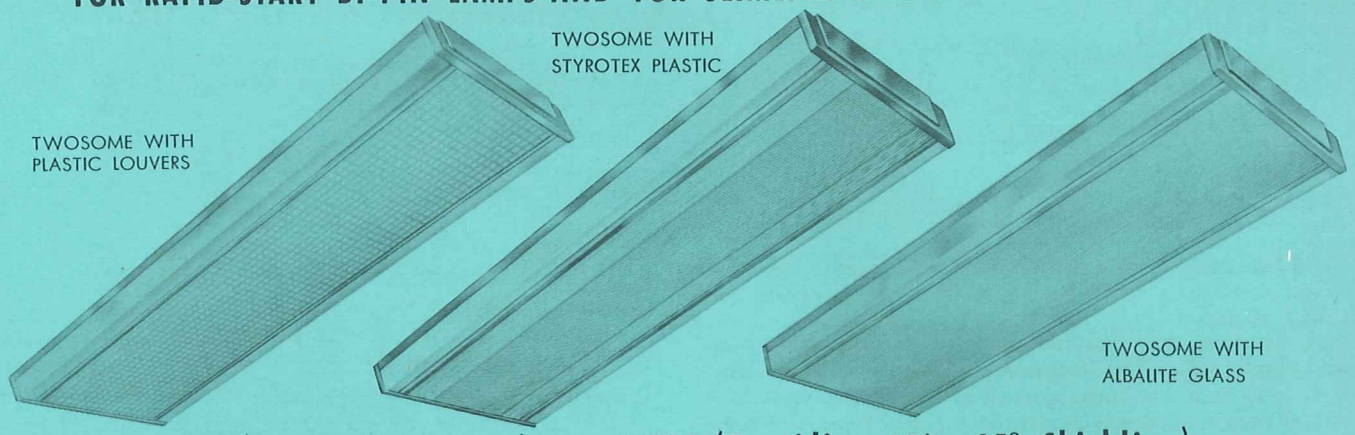


Side shields are of extruded polystyrene.

May be mounted surface or pendant, individually or in continuous rows.

Light spill at end caps reduces contrast between fixture ends and sides.

OTHER MEMBERS OF THE TWOSOME FAMILY WITH DIFFERENT SHIELDING MEDIA FOR RAPID-START BI-PIN LAMPS AND FOR SLIMLINE LAMPS



TWOSOME WITH PLASTIC LOUVERS (Providing 45° x 45° Shielding)

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TWPL2-40	2 F40T12RS	19	$26.93	$22.44	
TWPL2-42	4 F40T12RS (8′ Housing)	39	52.88	44.06	
TWPL4-40	4 F40T12RS	28	44.25	36.88	
TWPL4-42	8 F40T12RS (8′ Housing)	52	87.00	72.50	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TWPL2-96	2 F96T12	39	$48.00	$40.00	
TWPL4-96	4 F96T12	53	78.75	65.63	

White translucent plastic louvers provide shadow-less illumination — clean and trim in appearance.

TWOSOME WITH STYROTEX PLASTIC SHIELDING

TWX2-40	2 F40T12RS	20	$26.03	$21.69	
TWX2-42	4 F40T12RS (8′ Housing)	37	51.08	42.56	
TWX4-40	4 F40T12RS	28	42.00	35.00	28.00
TWX4-42	8 F40T12RS	51	82.50	68.75	55.00

TWX2-96	2 F96T12	39	$47.25	$39.38	
TWX4-96	4 F96T12	60	75.00	62.50	

Light-weight, attractive, maximum hiding power, maximum diffusion.

TWOSOME WITH FLANGED POLYSTYRENE

TWFP2-40	2 F40T12RS	18	$28.88	$24.06	
TWFP2-42	4 F40T12RS (8′ Housing)	35	56.70	47.25	
TWFP4-40	4 F40T12RS	24	45.75	38.13	
TWFP4-42	8 F40T12RS (8′ Housing)	48	90.00	75.00	

TWFP2-96	2 F96T12	36	$51.75	$43.13	
TWFP4-96	4 F96T12	48	81.75	68.13	

Modern in appearance, high impact strength, break resistance and light stability after prolonged use.

TWOSOME WITH #66 ALBALITE GLASS

TWA2-40	2 F40T12RS	24	$26.70	$22.25	
TWA2-42	4 F40T12RS (8′ Housing)	38	52.43	43.69	
TWA4-40	4 F40T12RS	34	42.98	35.81	
TWA4-42	8 F40T12RS (8′ Housing)	66	84.75	70.63	

TWA2-96	2 F96T12	48	$47.78	$39.81	
TWA4-96	4 F96T12	66	77.40	64.50	

Translucent, light opal glass — with pleasing light distribution.

TWOSOME WITH RIBBED SKYTEX GLASS

TWR2-40	2 F40T12RS	24	$26.18	$21.81	
TWR2-42	4 F40T12RS (8′ Housing)	38	51.45	42.88	
TWR4-40	4 F40T12RS	34	42.23	35.19	
TWR4-42	8 F40T12RS (8′ Housing)	66	82.95	69.13	

TWR2-96	2 F96T12	48	$47.63	$39.69	
TWR4-96	4 F96T12	66	75.75	63.13	

Provides good light diffusion and high light transmission. Ribbed pattern eight ribs to the inch.

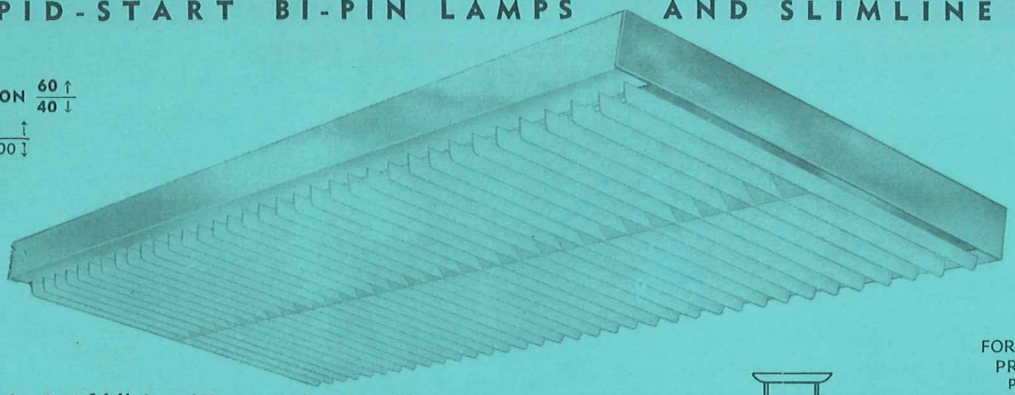
Packed one complete unit to a carton with all fittings for normal continuous row mounting.

Available with Corning Pattern #70 glass on special order and price.

FOR RAPID-START BI-PIN LAMPS AND SLIMLINE LAMPS

LIGHT DISTRIBUTION $\frac{60\uparrow}{40\downarrow}$

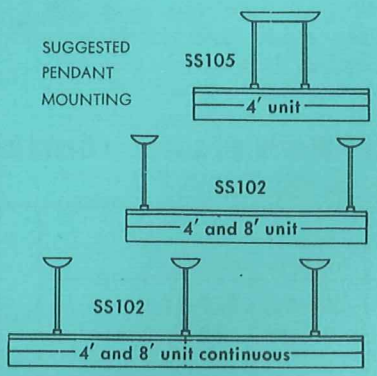
WITH CLOSED TOP $\frac{0\uparrow}{100\downarrow}$



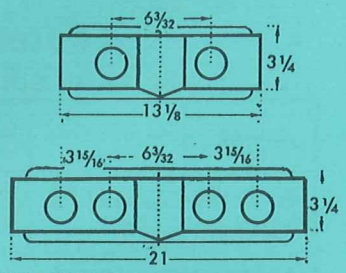
A very shallow (only 3¼" deep) louvered unit with translucent plastic sides. The Sheraton provides excellent illumination where low ceilings prevail and is ideally suited for many of today's 9-foot schoolrooms and offices. The unit is smoothly styled, modern and distinctive in its neat trim appearance. Lighting characteristics are very pleasing with a softly glowing diffused light outwards through the translucent plastic side panels and a high transmittance of well-shielded downlighting through the louvers. Sheraton may be mounted individually or in continuous rows, surface or pendant. Louver is quickly and easily released by gentle fingertip pressure and replaced by simply placing back in position. It is suspended by chain at a convenient level for re-lamping. Louvers provide a shielding of 30° crosswise and 45° lengthwise. Side panels are easily removed for cleaning. Ballasts and electrical components are easily exposed for servicing simply by releasing and lowering louver.

FOR STEM SET PRICES SEE PAGE 28

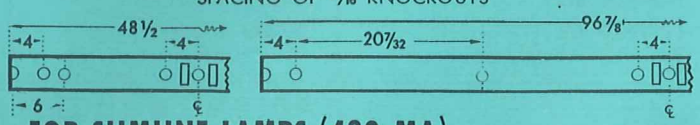
SUGGESTED PENDANT MOUNTING



END SECTION DIMENSIONS



SPACING OF 1 1/16 KNOCKOUTS



FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SN2-40	2 F40T12RS	24	$26.63	$22.19	
SN2-42	4 F40T12RS (8′ housing)	43	53.25	44.38	
SN4-40	4 F40T12RS	33	44.33	36.94	
SN4-42	8 F40T12RS (8′ housing)	64	88.50	73.75	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SN2-96	2 F96T12	41	$48.23	$40.19	
SN4-96	4 F96T12	67	74.55	62.13	

WITH TOP REFLECTORS FOR ALL DOWNLIGHTING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SN2-40TR	2 F40T12RS	25	$29.40	$24.50	
SN2-42TR	4 F40T12RS (8′ housing)	48	58.65	48.88	
SN4-40TR	4 F40T12RS	38	48.15	40.13	
SN4-42TR	8 F40T12RS (8′ housing)	73	96.00	80.00	

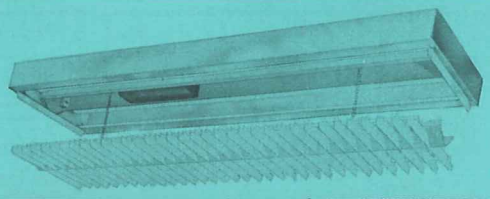
Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SN2-96TR	2 F96T12	46	$53.63	$44.69	
SN4-96TR	4 F96T12	76	82.05	68.39	

Packed One Complete Unit to a Carton With All Fittings For Normal Continuous Row Mounting

Steel louvers provide shielding of 30° crosswise, 45° lengthwise.

Louvers are quickly released by gentle fingertip pressure. Chain suspended at convenient level for re-lamping. Ballast and electrical components easily accessible for servicing.

Longitudinal rails provide strength and rigidity of louver assembly.



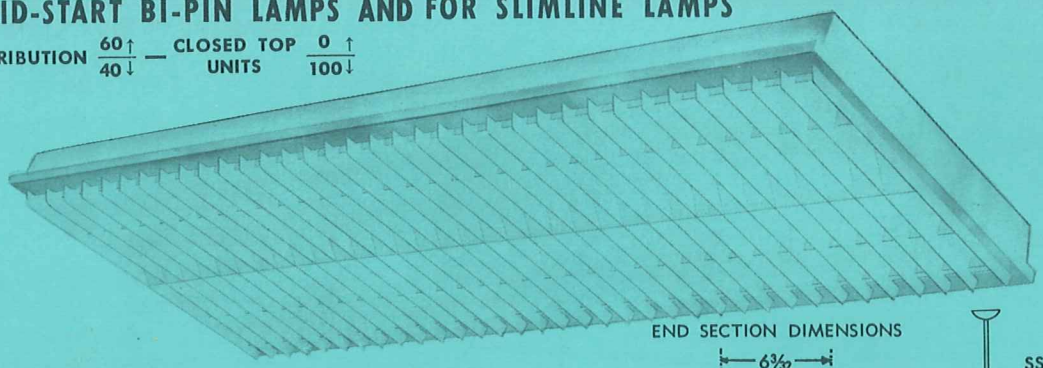
Softly glowing, diffused light outwards through translucent plastic panels . . . high transmittance of well-shielded down-lighting through the louvers.

Smoothly styled . . . clean, trim and modern in appearance.

Extremely shallow (only 3¼ in depth) . . . ideal for surface mounting in low-ceilinged schoolrooms or offices.

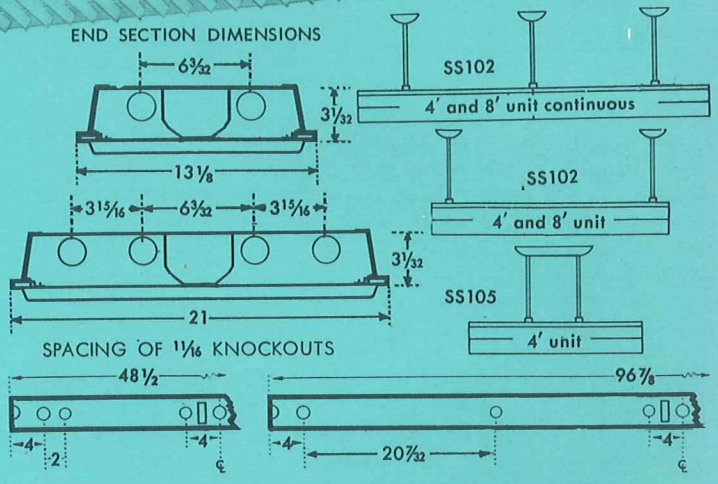
FOR RAPID-START BI-PIN LAMPS AND FOR SLIMLINE LAMPS

LIGHT DISTRIBUTION $\frac{60\uparrow}{40\downarrow}$ — CLOSED TOP UNITS $\frac{0\uparrow}{100\downarrow}$



FOR STEM SET PRICES SEE PAGE 28.

SUGGESTED PENDANT MOUNTING



END SECTION DIMENSIONS

SPACING OF 1 1/16 KNOCKOUTS

A very shallow, good-looking all-steel louvered unit, ideal for use in schools, offices, stores and all types of installations. The Executive is particularly suited because of its shallowness for use in today's low-ceilinged schoolrooms and offices. The metal sides of the unit are illuminated by light from the fixture, reducing contrast and presenting a soft, pleasing appearance. Egg-crate louvers provide a shielding of 30° crosswise and 45° lengthwise. The Executive may be purchased with an open top for uplighting or with a top reflector for 100% downlighting.

The Executive may be mounted individually or in continuous rows, surface or pendant. The louver is quickly and easily released by gentle fingertip pressure, and replaced by simply placing back in position. When opened, the louver is suspended by chains at a convenient level for re-lamping and ballasts and electrical components are easily serviced.

FOR RAPID-START BI-PIN LAMPS — WITH OPEN TOP FOR UPLIGHTING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
EX2-40	2 F40T12RS	25	$27.38	$22.81	
EX2-42	4 F40T12RS (8′ Housing)	49	54.45	45.38	
EX4-40	4 F40T12RS	36	45.45	37.88	
EX4-42	8 F40T12RS (8′ Housing)	71	90.38	75.31	

FOR SLIMLINE LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
EX2-96	2 F96T12	51	$49.35	$41.13	
EX4-96	4 F96T12	72	78.00	65.00	

WITH TOP REFLECTORS FOR ALL DOWNLIGHTING (RECOMMENDED FOR SURFACE MOUNTING)

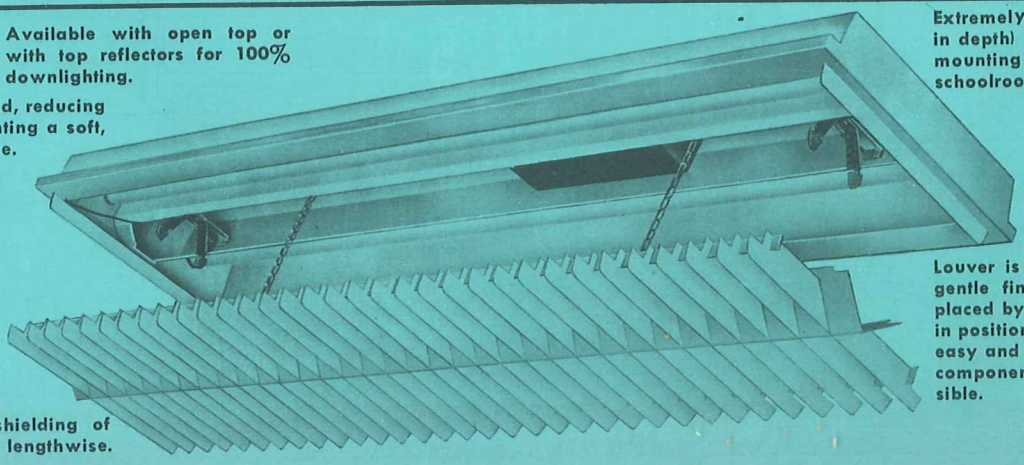
EX2-40TR	2 F40T12RS	29	$30.00	$25.00	
EX2-42TR	4 F40T12RS (8′ Housing)	56	59.70	49.75	
EX4-40TR	4 F40T12RS	43	50.25	41.88	
EX4-42TR	8 F40T12RS (8′ housing)	85	99.98	83.31	

EX2-96TR	2 F96T12	56	$54.60	$45.50	
EX4-96TR	4 F96T12	88	87.60	73.00	

Packed one complete unit to a carton with all fittings for normal continuous row mounting.

Available with open top or with top reflectors for 100% downlighting.

Sides are illuminated, reducing contrast and presenting a soft, pleasing appearance.



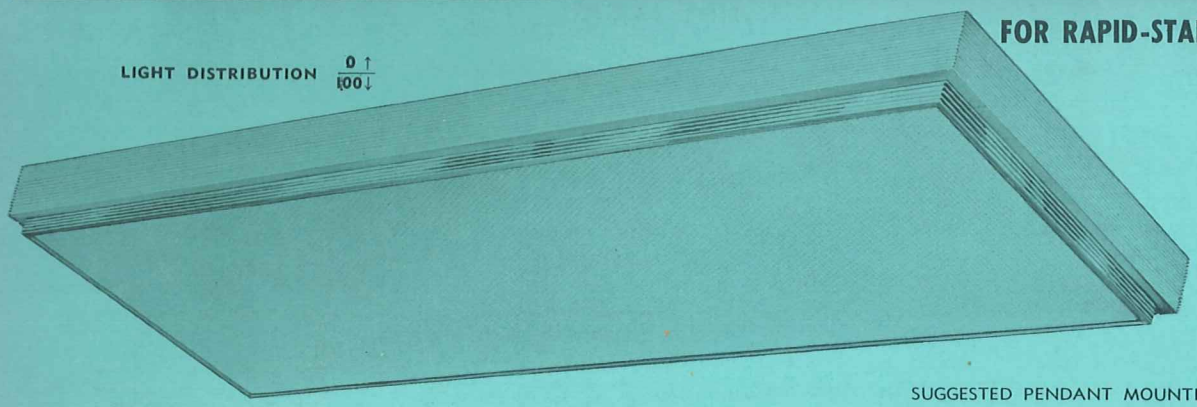
Extremely shallow (only 3 1/32″ in depth) . . . ideal for surface mounting in low ceilinged schoolrooms or offices.

Louver is quickly released by gentle fingertip pressure. Replaced by simply placing back in position. Relamping is made easy and ballast and electrical components are easily accessible.

Louvers provide shielding of 30° crosswise, 45° lengthwise.

FOR RAPID-START BI-PIN LAMPS

LIGHT DISTRIBUTION $\frac{0\uparrow}{100\downarrow}$



Wherever prestige is sought through beauty of surroundings, the Smithcraft Civic will enhance the finest of interiors. Classic in its lines, this attractive aluminum-framed unit provides a permanent luxury-look which is in the finest taste always. Absolutely clean and architectural, this unit harmonizes perfectly with any decor. The Smithcraft Civic is an ideal lighting unit for executive offices, directors rooms, reception rooms, governmental and institutional installations of all types.

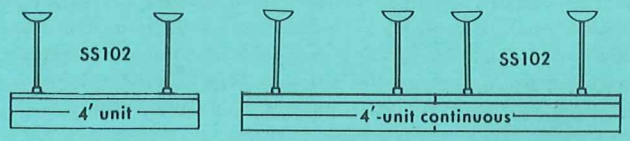
Sturdily constructed in a craftsmanlike way, the Civic will provide years of trouble-free service. Maintenance is simple. The shielding is contained in the frame, which is also the sides and ends of the unit. The unit is opened by a swinging, hinging action without tools or loose parts; re-lamping is easily accomplished, and access to the ballast and electrical components is provided.

The Civic is generally surface mounted and has a completely closed top for 100% downlighting. The Civic may, however, be pendant mounted, using the SS102 Stem Set. It may also be mounted in continuous rows with connector provided. Where the Civic is to be continuously mounted, supply information as to number of rows and number of units per row.

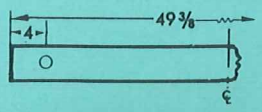
Shielding media available are Corning Pattern #70 glass, and Acrylic Plastic sand-blasted with a modern architectural pattern.

Architectural in form the Civic can be surface mounted in attractive "L" shapes or other patterns. We supply special mounting instructions.

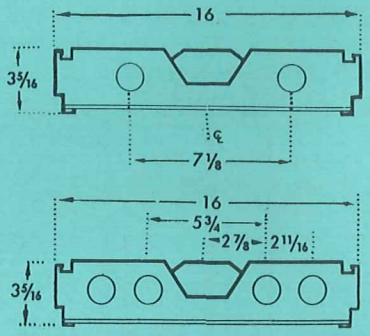
SUGGESTED PENDANT MOUNTING



FOR STEM SET PRICES SEE PAGE 28



END SECTION DIMENSIONS



FOR RAPID-START BI-PIN LAMPS

WITH CORNING PATTERN #70 GLASS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
CVC2-40S	2 F40T12RS	41	$48.38	$40.31	
CVC4-40S	4 F40T12RS	46	61.13	50.94	

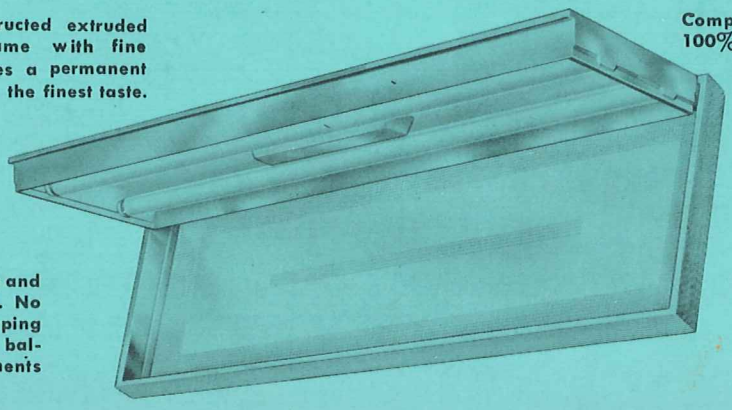
WITH ACRYLIC PLASTIC

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
CVC2-40P	2 F40T12RS	34	$54.38	$45.31	
CVC4-40P	4 F40T12RS	39	67.80	56.50	

Packed one complete unit to a carton with all fittings for normal continuous row mounting.

Sturdily constructed extruded aluminum frame with fine fluting provides a permanent luxury look in the finest taste.

Completely closed top for 100% downlighting.



Absolutely clean and architectural lines.

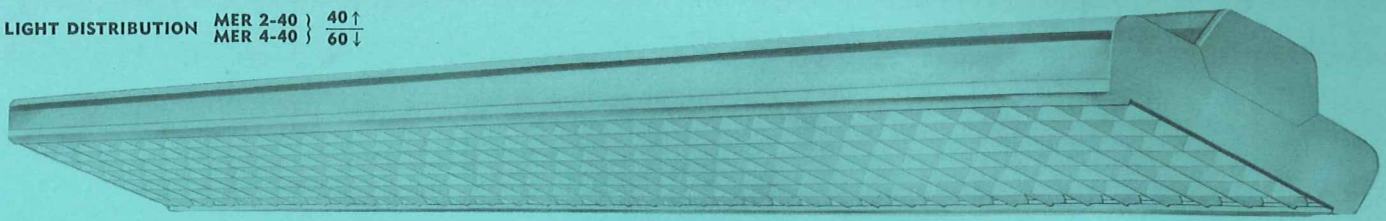
With Acrylic Plastic with a modern architectural pattern as shown.

Unit opens by lifting frame and allowing to swing down. No tools or loose parts. Relamping is easy and access to the ballast and electrical components is provided.

Fine fluting enhances the beauty of the natural, brushed aluminum finish.

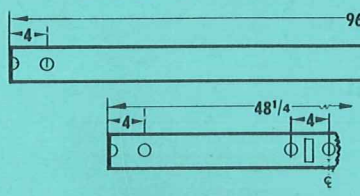
FOR SLIMLINE LAMPS; FOR BI-PIN LAMPS—RAPID-START

LIGHT DISTRIBUTION MER 2-40 } 40↑ / MER 4-40 } 60↓



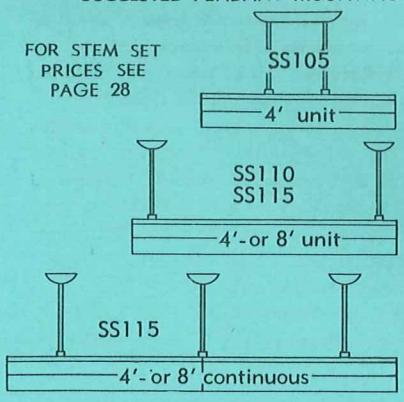
All-steel louvered unit, extremely popular for offices, stores, schools etc. For surface or pendant mounting, individually or in continuous rows. The unit is finished in Supercoat Baked Enamel and has been designed so that a pleasing light spill illuminates the sides. Rigid egg-crate louver permanently welded at each intersection provides a shielding of 35° crosswise, 25° lengthwise. If desired, the Mercury may be supplied with shielding of 45° crosswise and 45° lengthwise. Louvers hinge from either side and are removed by simply lifting off. Side reflectors rotate upwards for easy cleaning and relamping. Mercury has the Adaptable Socket-Holder Bridge.

SPACING OF 11/16 KNOCKOUTS

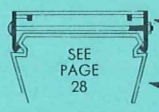


SUGGESTED PENDANT MOUNTING

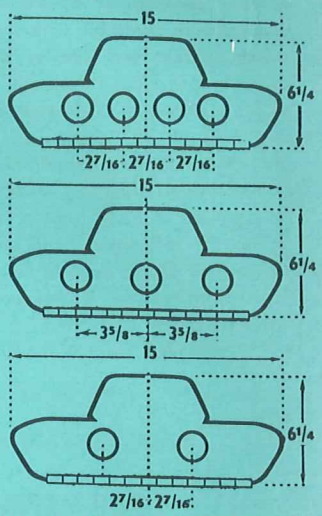
FOR STEM SET PRICES SEE PAGE 28



SURFACE MOUNTING WITH S4939 CEILING CLAMP



END SECTION DIMENSIONS



FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
MER2-40	2 F40T12RS	29	**$28.62**	**$23.85**	
MER2-42	4 F40T12RS (8′ housing)	57	**57.18**	**47.65**	
MER3-40	3 F40T12RS	37	**38.93**	**32.44**	
MER3-42	6 F40T12RS (8′ housing)	67	**71.91**	**59.93**	
MER4-40	4 F40T12RS	33	**40.41**	**33.68**	
MER4-42	8 F40T12RS (8′ housing)	66	**80.81**	**67.34**	

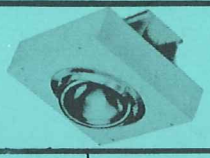
FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
MER2-96	2 F96T12	56	**$52.50**	**$43.75**	
MER3-96	3 F96T12	68	**76.83**	**64.03**	
MER4-96	4 F96T12	65	**77.46**	**64.55**	

Packed one complete unit to a carton. For continuous row mounting, specify number and length of rows; necessary end caps and connectors will be supplied no charge.

ADDITIONAL COST FOR SHIELDING OF 45° CROSSWISE, 45° LENGTHWISE

Specify on Order When Shielding of 45° Crosswise, 45° Lengthwise Is Desired	User Net Price	Contr-Dealer Net Price	
ADD to price of 4′ fixture	**$3.20**	**$2.66**	
ADD to price of 8′ fixture	**6.39**	**5.33**	



MERCURY SPOT BOX

(Cat. No. SB-12 — 11 5/16″ square x 6″ deep). Use at intermediate points in continuous-row installations only.

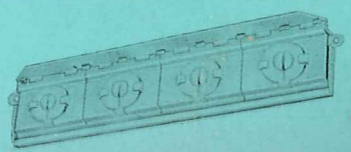
Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SB-12	PAR-46 Spot Lamp	12	**$19.82**	**$16.51**	

TOP REFLECTORS

Additional downlighting may be obtained through use of the top reflectors listed below.

Catalog No.	For Use With	User Net Price	Contr-Dealer Net Price	
M-48	48″ Mercury Units (Single reflector per fixture)	**$1.50**	**$1.25**	
M-96	96″ Mercury Units (Single reflector per fixture)	**3.00**	**2.50**	
M-482	8′ Mercury Bi-Pin Units (Two 48″ reflectors per fixture)	**3.00**	**2.50**	

MERCURY has the adaptable SOCKET HOLDER BRIDGE.



Replace any lampholder or change spacing or number of lamps in the field without rewiring by removing only one screw.

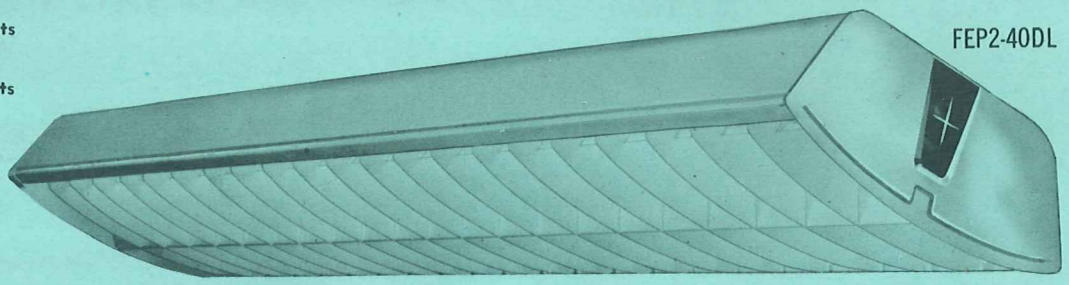
LIGHT DISTRIBUTION

$\frac{50}{50}\uparrow\downarrow$ 35° x 25° units

$\frac{56}{44}\uparrow\downarrow$ 45° x 45° units

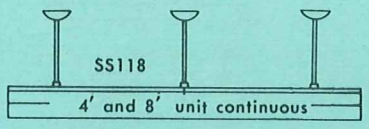
FOR SLIMLINE LAMPS; FOR RAPID-START BI-PIN LAMPS

FEP2-40DL

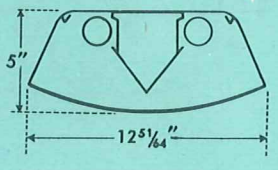


A low-cost top-value, top-quality unit for schools, offices, stores, etc. Rigid louvers swing open from either side. Because of a safety locking feature, louver cannot be inadvertently knocked off. In plastic-sided units, plastic sides with internal steel liners combine the rigidity of steel with the translucence of plastic. One-piece side shields rotate upwards. Finished in Baked White Enamel with contrasting medallions at ends.

SUGGESTED PENDANT MOUNTING

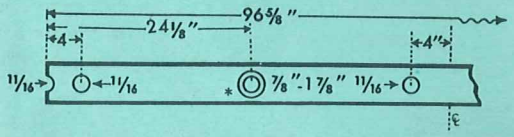


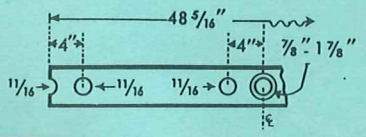
END SECTION DIMENSIONS

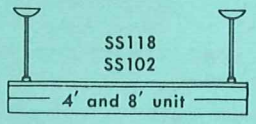


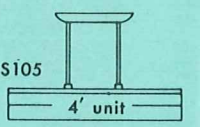
FOR STEM SET PRICES SEE PAGE 28

SPACING OF 11/16″ KNOCKOUTS









FOR RAPID-START BI-PIN LAMPS — FOR SLIMLINE LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price		Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price	
35° x 25° SHIELDING — STEEL SIDES											
FES2-40	2 F40T12RS	23	**$20.63**	**$17.19**		**FES2-96**	2 F96T12	40	**34.88**	**29.06**	
FES2-42	4 F40T12RS*	44	**38.63**	**32.19**							
35° x 25° SHIELDING — PLASTIC SIDES											
FEP2-40	2 F40T12RS	21	**21.38**	**17.81**		**FEP2-96**	2 F96T12	36	**37.50**	**31.25**	
FEP2-42	4 F40T12RS*	40	**40.50**	**33.75**							
35° x 45° SHIELDING — STEEL SIDES											
FES2-40X	2 F40T12RS	26	**21.38**	**17.81**		**FES2-96X**	2 F96T12	46	**36.38**	**30.31**	
FES2-42X	4 F40T12RS*	50	**40.13**	**33.44**							
35° x 45° SHIELDING — PLASTIC SIDES											
FEP2-40X	2 F40T12RS	24	**22.13**	**18.44**		**FEP2-96X**	2 F96T12	42	**39.00**	**32.50**	
FEP2-42X	4 F40T12RS*	46	**42.00**	**35.00**							
45° x 45° SHIELDING — STEEL SIDES											
FES2-40DL	2 F40T12RS	27	**22.50**	**18.75**		**FES2-96DL**	2 F96T12	48	**38.25**	**31.88**	
FES2-42DL	4 F40T12RS*	52	**42.00**	**35.00**							
45° x 45° SHIELDING — PLASTIC SIDES											
FEP2-40DL	2 F40T12RS	25	**23.25**	**19.38**		**FEP2-96DL**	2 F96T12	44	**41.25**	**34.38**	
FEP2-42DL	4 F40T12RS*	48	**44.25**	**36.88**							

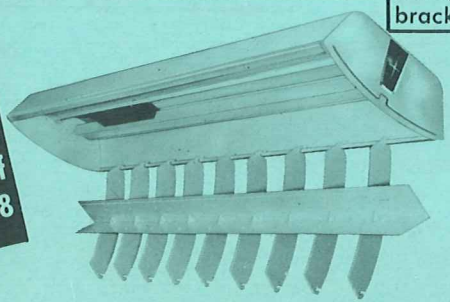
* All 2-42 units have 8′ housings

TOP REFLECTORS

Catalog No.		Ship. Wt.	User Net Price	Contr. Dealer Net Price	
NF-48	For 4′ sections	4	**$3.00**	**$2.50**	
NF-96	For 8′ sections	8	**5.85**	**4.88**	

No. and Description	User Net Price	Contr. Dealer Net Price	
SS118 Canopy and Stem set — canopy, single 15″ steel stem (o.d. ½″), heavy canopy bar, tong channel bracket.	**2.25**	**1.88**	

Please paste over page 18 (headlined FED Smithcraft Federal) in Smithcraft Price Catalog Schedule 220 of July 21, 1958



V-section of baffle conceals all wiring and electrical components.

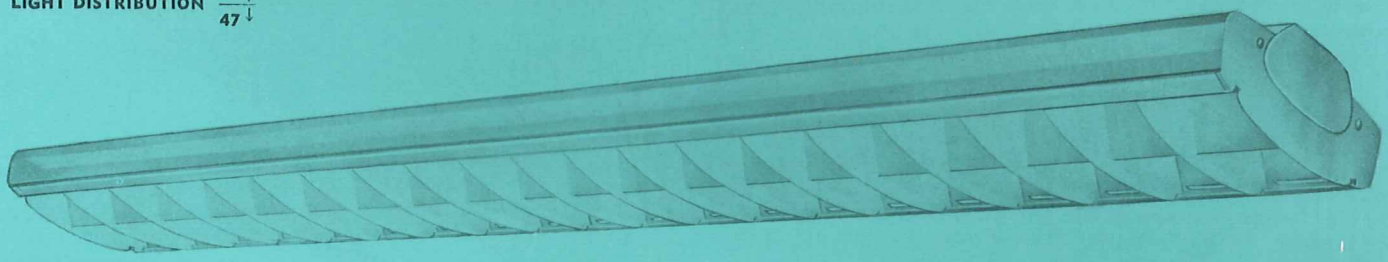
Plastic or steel side shields are rigidly held at ends yet are easily removable for cleaning.

Baffle swings open easily from either side . . . easily removed without tools. Baffle is safety-held . . . cannot be removed inadvertently.

Fixture ends bolt together in continuous rows. Knockouts are provided for continuous wiring.

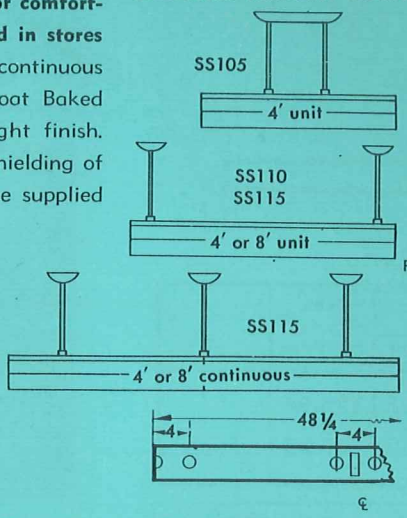
FOR SLIMLINE LAMPS; FOR BI-PIN LAMPS— RAPID-START

LIGHT DISTRIBUTION 53↑ 47↓



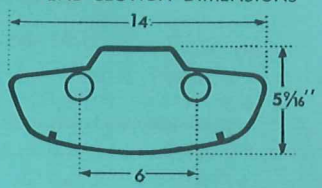
This 2-light all-steel louvered fixture sets the standard for comfortable low brightness in school and classroom lighting and in stores and offices. Eye-Q can be mounted individually or in continuous rows, surface or pendant. Eye-Q is finished in Supercoat Baked Enamel; the louver is in a special Smithcraft low-bright finish. Rigid louver supplied in same length as unit, provides shielding of 35° crosswise; 25° lengthwise. If desired, Eye-Q can be supplied with shielding of 35° crosswise; 45° lengthwise. Louver hinges from either side and can be removed by lifting off. Side reflectors which are self-illuminated by the lamps rotate upwards for easy cleaning.

SUGGESTED PENDANT MOUNTING



FOR STEM SET SEE PRICES PAGE 28

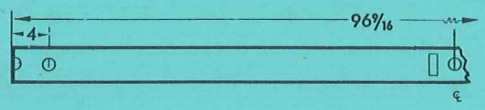
END SECTION DIMENSIONS



SURFACE MOUNTING WITH S4939 CEILING CLAMP



SPACING OF 11/16 KNOCKOUTS



FOR RAPID-START BI-PIN LAMPS WITH 35° x 25° SHIELDING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
IQ2-40	2 F40T12RS	26	$23.55	$19.63	
IQ2-42	4 F40T12RS (8′ housing)	51	47.10	39.26	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
IQ2-96	2 F96T12	48	$44.85	$37.38	

WITH 35° x 45° SHIELDING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
IQ2-40DL	2 F40T12RS	27	$25.50	$21.26	
IQ2-42DL	4 F40T12RS (8′ housing)	52	51.00	42.51	

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
IQ2-96DL	2 F96T12	49	$48.75	$40.63	

Packed one complete unit to a carton. For continuous row mounting, specify number and length of rows; necessary end caps and connectors will be supplied no charge.

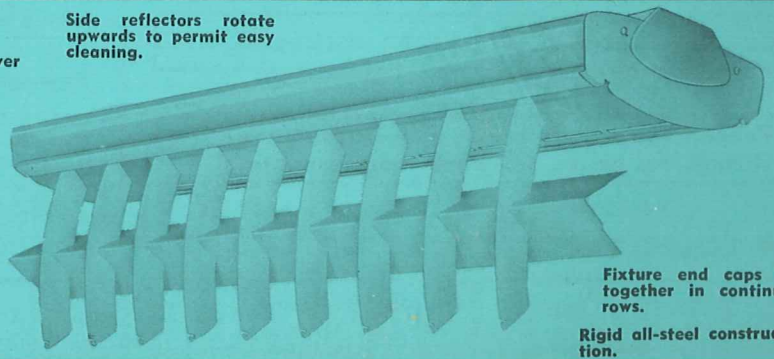
Side reflectors rotate upwards to permit easy cleaning.

Special low-bright louver finish reduces glare.

Illuminated steel sides.

Louver shielding 35° crosswise and 25° lengthwise. Shielding of 35° crosswise and 45° lengthwise is also available.

Strong and rigid shielding assembly hinges from either side — can be completely removed by lifting off.



Fixture end caps bolt together in continuous rows.

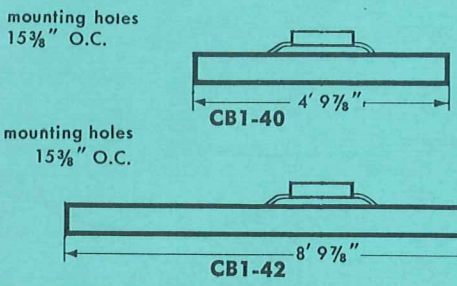
Rigid all-steel construction.

® Registered U. S. Patent Office

SEE PAGE 4 FOR IMPORTANT ORDERING INFORMATION.

CB — Smithcraft CHALKBOARDER — CB

Smartly and modernly styled the Smithcraft CHALKBOARDER provides excellent vertical illumination over the entire surface of a chalkboard. Excellent also for bulletin boards, exhibits, art galleries, etc. Reflector may be rotated to any position for proper shielding. Apertures in the top of the reflector permit a soft uplighting reducing contrast between unit and lighted chalkboard. Quickly installed in any location because of maximum adjustability. May be mounted in continuous rows through use of reflector couplings. Reflector is aluminum with inside surface finished in White Supercoat Baked Enamel; outer surface in Smithcraft Neutra-tone.

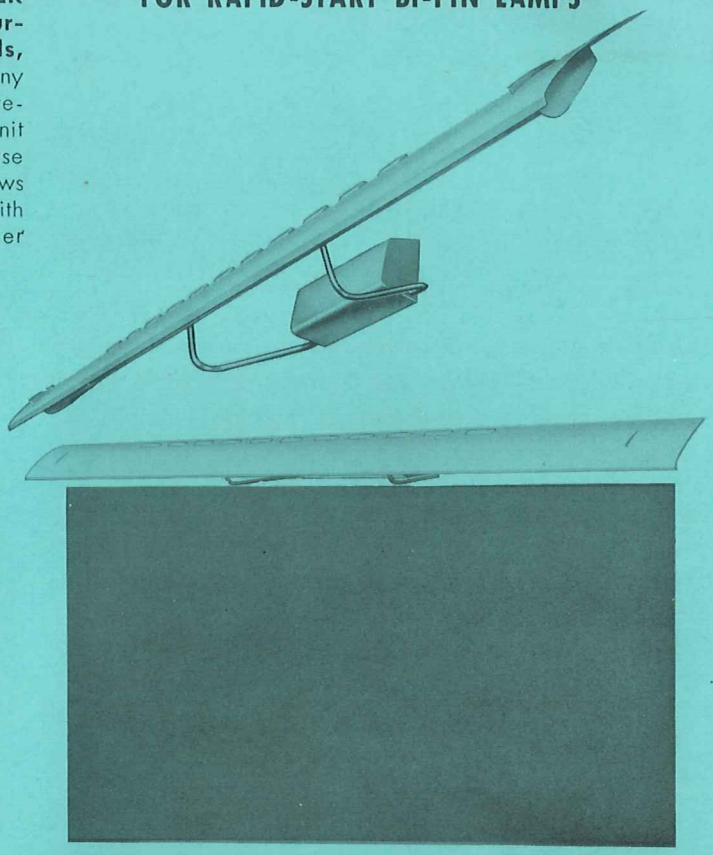


FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
CB1-40	1 F40T12RS	19	$31.13	$25.94	
CB1-42	2 F40T12RS (8' Housing)	27	40.50	33.75	

Packed One Complete Unit to a Carton

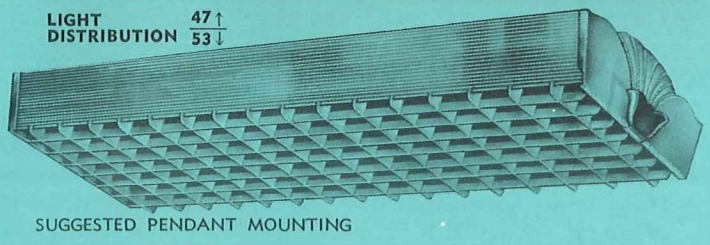
FOR RAPID-START BI-PIN LAMPS



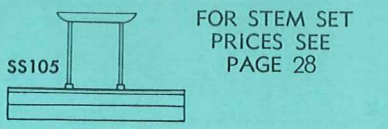
YE-4 — Smithcraft SKYLITE — YE-4

FOR BI-PIN LAMPS — RAPID-START

A semi-direct louvered unit with ribbed frosted glass side panels for commercial or institutional installation. Skylite may be mounted individually or in continuous rows, surface or pendant and is equipped with self-swivelling adjustable fittings (Pat. #2-459-034). The Skylite is finished in White Supercoat Baked Enamel with aluminum finish on the end caps. Ribbed frosted glass side panels and illuminated end caps permit a pleasing diffusion of light outwards while a high percentage of down-lighting is attained through the use of parabolic side reflectors. Rigid louvers provide a shielding of 30° crosswise, 20° lengthwise. The louver hinges from either end and may be completely removed.

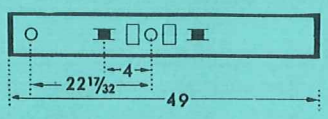


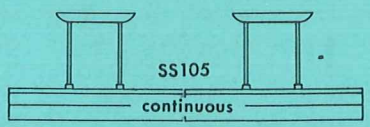
SUGGESTED PENDANT MOUNTING



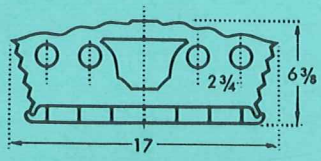
FOR STEM SET PRICES SEE PAGE 28

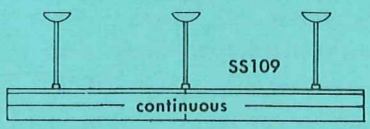
SPACING OF 11/16 KNOCKOUTS





END SECTION DIMENSIONS





FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
YE-4	4 F40T12RS	46	$49.35	$41.13	

Packed one complete unit to a carton with all fittings for all normal continuous mounting.

TOP REFLECTORS

The reflectors listed below will provide 65% downlighting.

Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
R125	Pair of top reflectors	$2.63	$2.19	

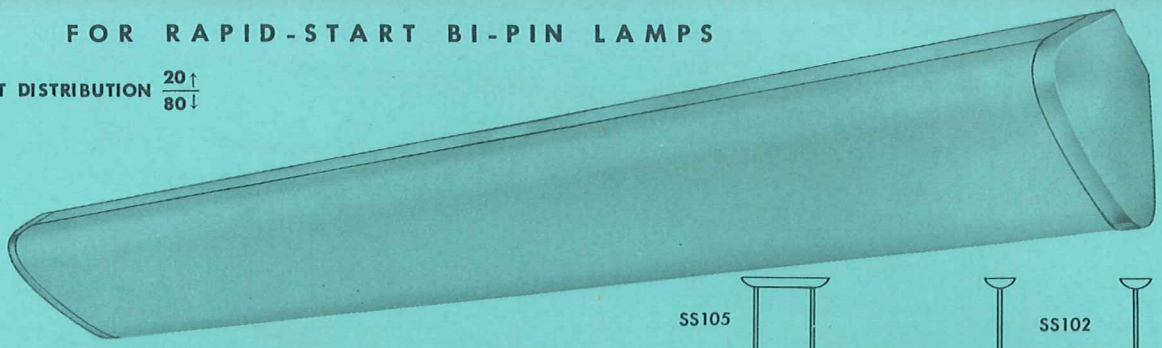
GLASS REPLACEMENT PARTS

Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
P211	Skylite Side Panel	$1.95	$1.63	

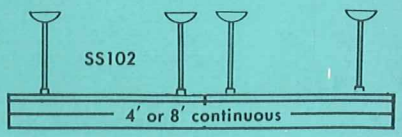
FRE — Smithcraft FREEWAY — FRE

FOR RAPID-START BI-PIN LAMPS

LIGHT DISTRIBUTION $\frac{20\uparrow}{80\downarrow}$



FREI-40



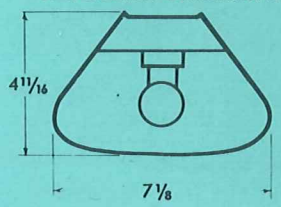
A clean, modern, plastic-enclosed luminaire for corridor-lighting in office buildings, schools, and other institutions, airports, and rail and bus terminals.

Simple and modern, the Freeway by Smithcraft is architecturally very pleasing lighting for corridors or for long narrow areas. Dark corridors and passageways are transformed into pleasantly lighted, comfortable areas with good lighting on walls, ceilings, and floors.

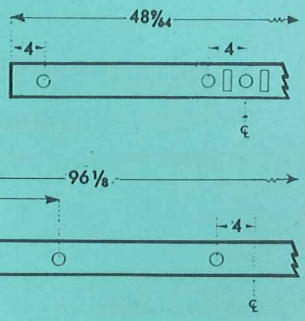
Shielding is provided by 4-foot sections of extruded polystyrene supported in the center of 8′ units by a white unobtrusive band. This polystyrene shielding has high impact strength, break resistance and light stability after prolonged use. It simply snaps in and out of place. Because the Freeway is completely enclosed, maintenance is reduced to a minimum.

Installation, individually or in continuous rows, is very simple. Knockouts in the end of each housing and couplings are provided for continuous wiring. Although the Freeway is generally surface-mounted, the unit may be pendant-mounted with the SS102 or SS105 Stem Sets.

End Section Dimensions



Spacing of Knockouts



FOR STEM SET PRICES SEE PAGE 28

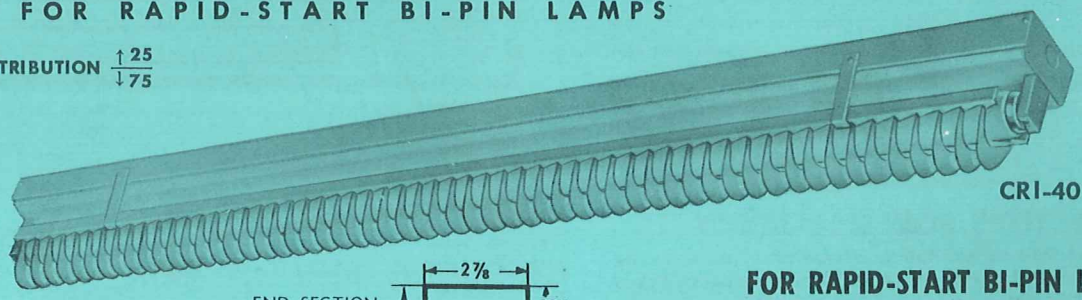
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
FRE1-40	1 F40T12/RS	14	$19.50	$16.25	
FRE1-42	2 F40T12/RS (8′ housing)	24	26.93	22.44	

CR — Smithcraft CORRIDOR-LITER — CR

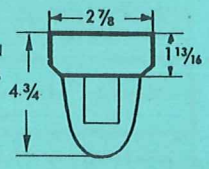
FOR RAPID-START BI-PIN LAMPS

LIGHT DISTRIBUTION $\frac{\uparrow 25}{\downarrow 75}$



CRI-40

END SECTION DIMENSIONS



FOR KNOCKOUTS AND OVERALL DIMENSIONS, SEE PAGE 23

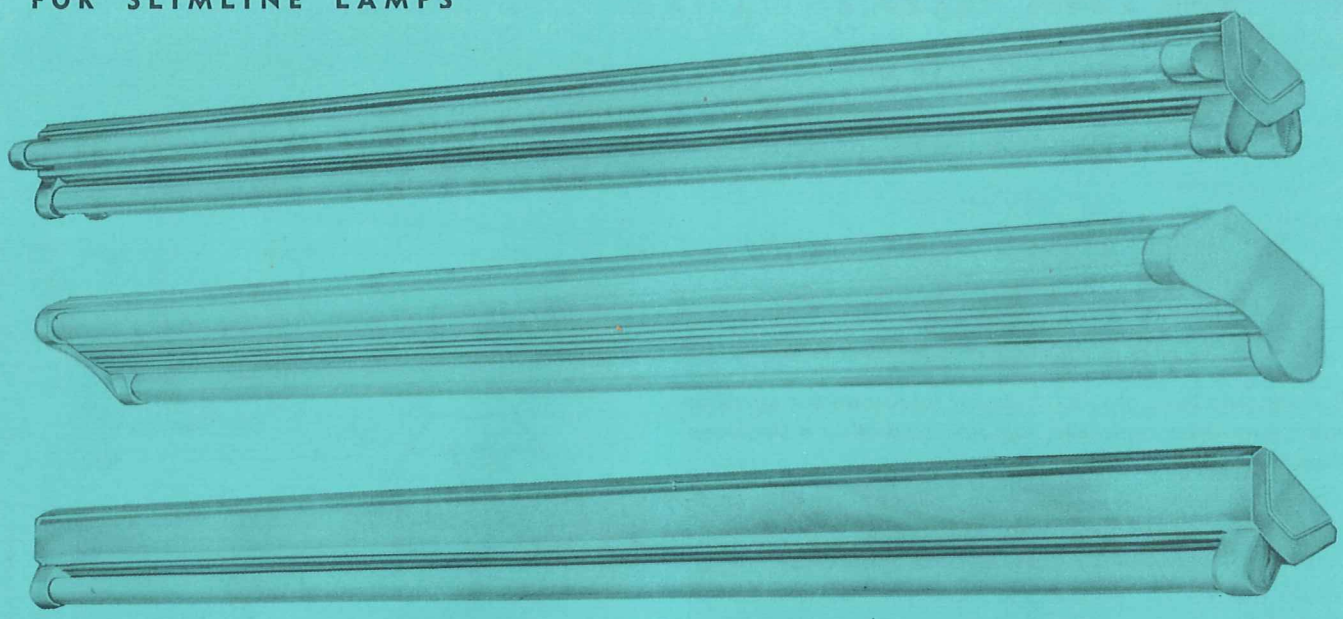
Provides 45° longitudinal shielding — ideal for corridor lighting in airports, rail and bus terminals, office buildings, schools, hospitals, libraries, (stack lighting) and other institutions.

Louvers snap into clips attached to housing. May be released so one side hangs down for re-lamping. Easily installed and easily removed for cleaning. Lighting unit is top quality Smithcraft Fluorescent Strip Lighting, with Aluminum Shield finished in white Supercoat baked enamel. Ballasts are high-power factor rapid-start E.T.L. certified.

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL MOUNTING — or for start of a Continuous Row — Includes End Caps					
CR1-40	1 F40T12/RS	9	$16.43	$13.69	
CR1-42	2 F40T12/RS (8′ Housing)	14	23.93	19.94	
CONTINUOUS MOUNTING — Includes connectors and end caps to start and finish off rows as required.					
CCR1-40	1 F40T12/RS	9	$16.43	$13.69	
CCR1-42	2 F40T12/RS (8′ housing)	14	23.93	19.94	

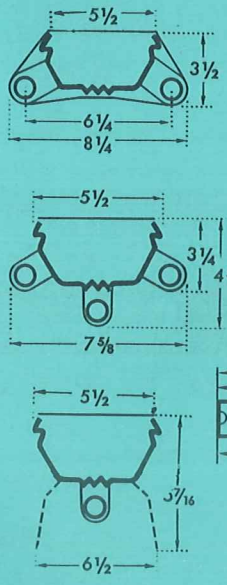
FOR SLIMLINE LAMPS



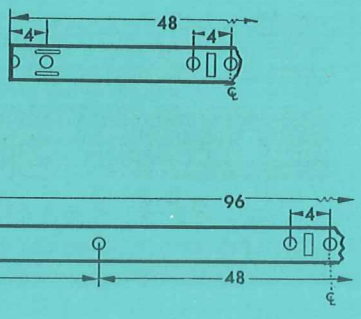
Open-type Slimline fixtures, ideal for store applications — available for one, two, or three T-12 lamps. Linear is engineered for maximum efficiency and outstanding appearance. Decorative ridges along the entire length of the housing eliminate dark spots or shadows. Shallow in design, the fixtures may be mounted either surface or pendant, individually or in continuous rows. Maintenance and installation are effectively simplified. Smithcraft LINEAR units are rugged, heavy duty units constructed for years of trouble-free service.

For further economy, in continuous-row installations, the SLS1-192 is available. These units incorporate two regular 96" fixtures, with a two-lamp ETL-certified ballast contained in one of the fixtures, and the other fixture wired with leads brought out for connections to the ballast during installation.

END SECTION DIMENSIONS



SPACING OF 11/16 KNOCKOUTS



REFLECTORS FOR SLS1-SERIES

For the LINEAR one-light series, full or asymmetric reflectors are available. The reflectors, finished in White Supercoat Baked Enamel, are easily installed.

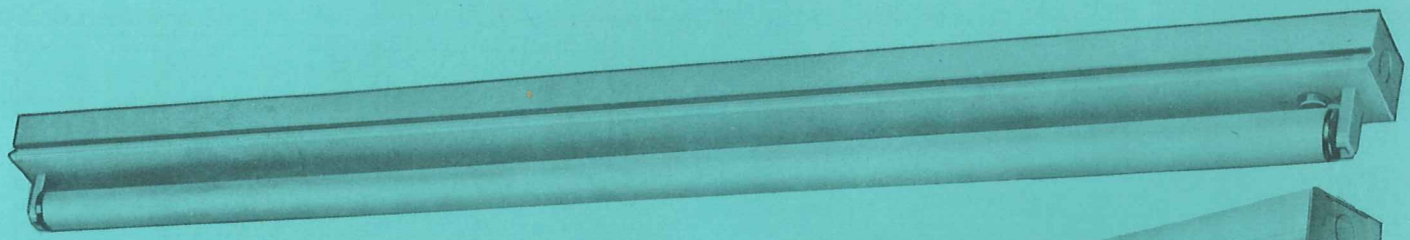
Catalog No.	For Use With	User Net Price	Contr-Dealer Net Price	
R1-96-SLS Full reflector	96" one-light Linear	**$6.23**	**$5.19**	
R1-48-SLS Full reflector	48" one-light Linear	**3.30**	**2.75**	
A1-96-SLS Asymmetric reflector	96" one-light Linear	**6.23**	**5.19**	
A1-48-SLS Asymmetric reflector	48" one-light Linear	**3.30**	**2.75**	
CC502 — CEILING CLAMP For simplified surface mounting — 2 per fixture — cost EACH		**User Net Price**	**Contr-Dealer Net Price**	
		.90	**.75**	

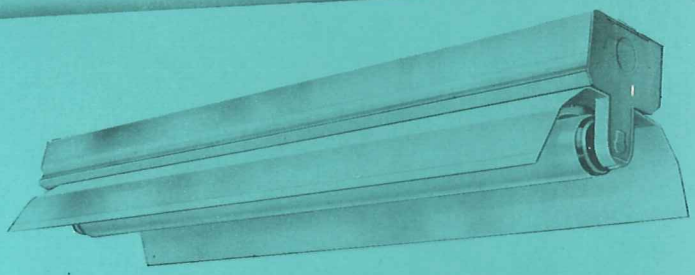
FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SLS1-96	1 F96T12	31	**$25.35**	**$21.13**	
SLS1-192	2 F96T12 (Two 8' units)	49	**39.38**	**32.81**	
SLS1-48	1 F48T12	20	**22.43**	**18.69**	
SLS2-96	2 F96T12	30	**28.43**	**23.69**	
SLS2-48	2 F48T12	17	**22.13**	**18.44**	
SLS3-96	3 F96T12	37	**49.13**	**40.94**	
SLS3-48	3 F48T12	27	**38.25**	**31.88**	

Packed two complete units to a carton, including fittings for normal continuous row mounting.

FOR RAPID-START AND TRIGGER-START BI-PIN LAMPS

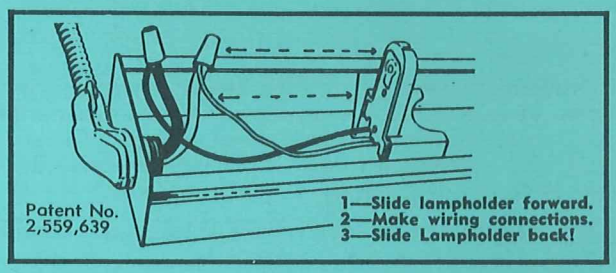




SMITHCRAFT FLUORESCENT STRIP LIGHTING

Outstanding in appearance, ease of assembly and installation, and operating efficiency. An exclusive development, the Slide-Away Lampholder (patented), simplifies the usually difficult task of making the wiring connections with BX cable for continuous runs. The housing cover assures proper spacing of the lampholders and conceals all wiring within the channel. There are sufficient knockouts for various types of mounting and continuous installations, as well as a convenience outlet or Levolier pull-switch. Another feature, the "back-to-back" spacing of the lampholders, eliminates dark spots in continuous runs.

Whether used singly or in rows, with or without reflectors, Smithcraft Fluorescent Strip Lighting is ideal for stores, markets, factories, and similar locations.

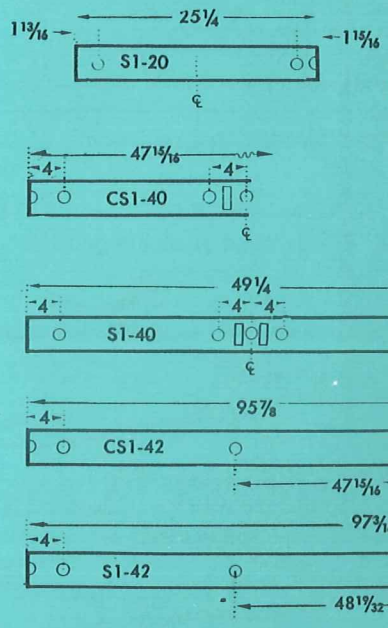


FOR RAPID-START AND TRIGGER-START BI-PIN LAMPS

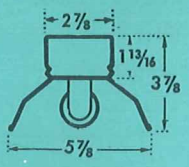
Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL MOUNTING—or for start of a continuous row—Includes end caps					
S1-20L	1 F20T12	4	$ 6.75	$ 5.63	
S1-40L	1 F40T12	8	8.55	7.13	
S1-40H	1 F40T12	9	12.38	10.31	
EIGHT-FOOT INDIVIDUAL MOUNTING — or for start of a continuous row — Includes end caps					
S1-42H (8′ Housing)	2 F40T12	14	16.43	13.69	
CONTINUOUS MOUNTING — Includes connectors and end caps for start and finish of rows as required.					
CS1-40H	1 F40T12	9	12.38	10.31	
CS1-42H (8′ Housing)	2 F40T12	14	16.43	13.69	
Catalog No.	**For Use With**	**Ship. Wt.**	**User Net Price**	**Contr-Dealer Net Price**	
FULL REFLECTOR					
R1-20	20-watt strip	2	$1.80	$ 1.50	
R1-40	40-watt strip	4	2.70	2.25	
ASYMMETRIC REFLECTOR					
A1-20	20-watt strip	2	1.80	1.50	
A1-40	40-watt strip	3	2.70	2.25	

Packed four units to a carton.

SPACING OF 11/16 KNOCKOUTS

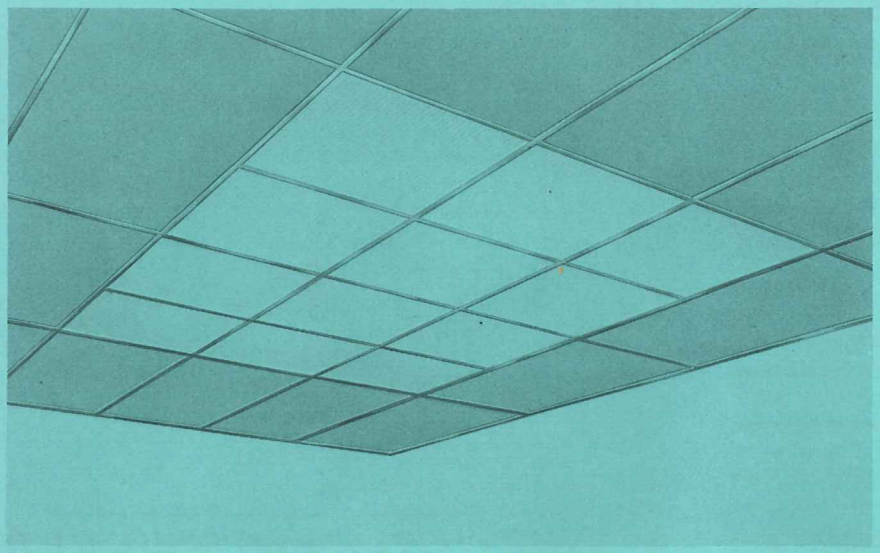


END SECTION DIMENSIONS



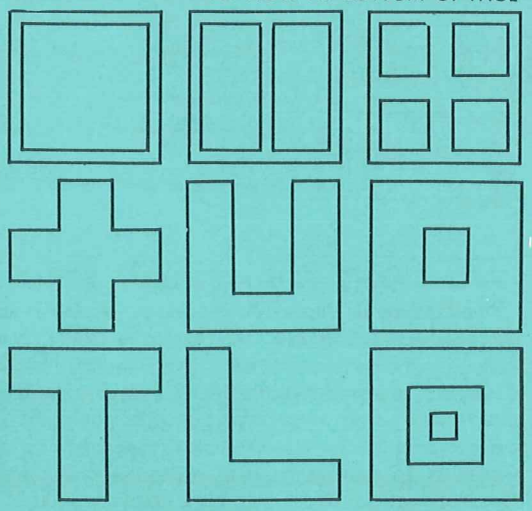
ORDERING INFORMATION: For the start of a run, use a single 20 or 40-watt strip or an 8-foot section of the start-of-the-run **(S series).** To complete a run of units, use the required number of fill-in or ending units of the **CS series.** If reflectors are required, see separate reflector schedule and order as needed.

Ballast Information: S1-20L/TS is furnished with Trigger-Start normal power factor ballast. S1-40L/RS is furnished with Rapid-Start normal power factor ballast. S1-40H/RS, CS1-40H/RS, S1-42H/RS and CS1-42H/RS, are furnished with high-power factor Rapid-Start ETL-certified ballasts. All ballasts are U.L.-approved and fully guaranteed by Smithcraft.



A PRACTICALLY UNLIMITED FREEDOM OF LAYOUT

SEE NOTE AT BOTTOM OF PAGE*



New Smithcraft Area Illumination makes possible a wide selection of size, pattern, intensity, shielding and periphery. This versatility affords architects and engineers the opportunity for an almost infinite variety of original lighting layouts — all using basic standard equipment.

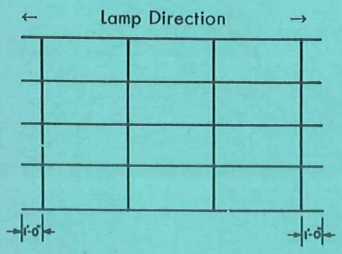
New SAI represents an advance in ease of layout and ordering procedure. For average-sized installations, free from unusual complications, there is no need for formal factory layouts. Elements may be ordered and installed directly from the catalog.

Because of simplified design, ease and economy of installation, substantial savings in this type of installation are effected. The system is extremely flexible and adaptable to future changes and developments. Diffusing media may be completely changed or moved at will, without the need of additional equipment.

New SAI integrates shielding and lighting with the architecture and interior design of the building and actually becomes one lighting fixture when installed, regardless of dimensions. There are fewer supports to the ceiling and no complicated service connections to clutter the plenum and interfere with other services.

Acoustical peripheral treatment and acoustical areas between lighting elements are easily combined with Smithcraft Area Illumination.

Because the system is available with both T-12 Slimline lamps and 800-MA high output lamps, there is always a choice of two intensities for a given area. The system is available with six different catalogued shielding media.



BEAMS ARE FURNISHED TO EXTEND 1' 0" BEYOND ELEMENT IN THE DIRECTION OF THE LAMPS

Elements are joined in direction of lamps with beam splicers automatically spacing elements 2′ to receive acoustical tile.
Elements may be joined side by side with lamps parallel to each other with no spacing between elements.
Or they may be joined with a 2′ spacing or any multiple of 2′ between elements (by use of necessary cross, twist or main tees by other).

SAI PARTS IDENTIFICATION

1. **Ceiling Hanger**
2. **Housing Hanger Assembly (includes rod)**
3. **Housing**
4. **Spacer Tubes**
5. **Grid hanger**
6. **Beam (Eastern #6350)**
7. **Beam Splice (Eastern #6390)**
8. **Cross Tee (Eastern #6562) twist**
9. **Cross Tee (Eastern #6762) hook over**
10. **Diffusing Medium**
11. **Eastern Wall Angle Molding #6172 (by others)**

*These patterns may be created with standard SAI Elements up to 24′ in the direction of the lamps (no limitations perpendicular to lamps). For patterns requiring elements larger than 24′ in the direction of the lamps, see your Smithcraft representative.

HOW TO ORDER SMITHCRAFT AREA ILLUMINATION (SAI)

1. Catalog numbers shown in the table below are for T-12 Slimline lamps. For Elements for 800-MA Rapid Start Lamps, add "-800" to catalog numbers. Example: 84-800 is an 8′ x 4′ unit for 800-MA lamps.

2. To indicate desired shielding media add suffix letters to catalog number. Examples: Cat. No. 2420-PL is an SAI element 24′ x 20′ with Plastic Louvers. Cat. No. 1620-800H is an SAI element 16′ x 20′ for 800-MA lamps with Holophane Controlens® #6024.

3. Be sure to supply cavity depth with order. It is necessary that we have this information so that we may supply rods of the proper length. Minimum dimension from existing ceiling to bottom of SAI is 21″.

4. SAI Elements larger than those shown in the table below may be ordered and formed by combining SAI elements **in the direction perpendicular to the lamps only.** Example: an element 24′ x 48′ may be formed by combining two 24′ x 24′ elements.

5. For larger areas which may not be formed by combining elements or for unusually-shaped areas or areas with obstructions contact your Smithcraft representative.

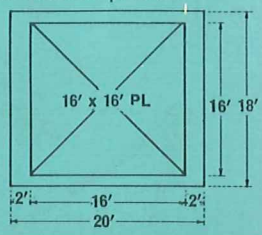
6. ORDERING EXAMPLE For an area 18′ x 20′ where plastic louvers are desired as a shielding media and where 430-MA Slimline lamps are desired to achieve a required intensity, SAI Element Cat. No. 1616PL may be selected from the table below.

Cat. No. 1616-PL (Based on Contractor-Dealer prices.)

16′ x 16′ = 256 sq. ft.
@ **$1.79** sq. ft. = **$458.24**

256 sq. ft. of plastic louver
@ **$1.19** sq. ft. = **304.64**

Total cost of basic electrical and grid element plus total cost of diffusing media **$762.88**



SAI BASIC ELECTRICAL AND GRID ELEMENT (WITHOUT SHIELDING)
(Elements shown are with Lamps on 24″ Spacing)

Catalog No.	SAI Element Size* (Illuminated Area) The first dimension shown below is always the dimension of the element in the direction of the lamps.	No. of 4′ Lamps	No. of 8′ Lamps	FOR SLIMLINE LAMPS (430-MA) User Net Price	FOR SLIMLINE LAMPS (430-MA) Contr-Dealer Net Price	FOR 800-MA RAPID-START LAMPS User Net Price	FOR 800-MA RAPID-START LAMPS Contr-Dealer Net Price
84	8′ x 4′		2	**UP TO 600 SQUARE FEET** (Less Shielding)		**UP TO 600 SQUARE FEET** (Less Shielding)	
88	8′ x 8′		4				
812	8′ x 12′		6				
820	8′ x 20′		10				
1212	12′ x 12′	6	6				
168	16′ x 8′		8				
1612	16′ x 12′		12				
1616	16′ x 16′		16				
1620	16′ x 20′		20				
2012	20′ x 12′	6	12				
2020	20′ x 20′	10	20				
248	24′ x 8′		12				
2412	24′ x 12′		18				
2416	24′ x 16′		24				
2420	24′ x 20′		30				
2424	24′ x 24′		36				
				$2.15 per sq. ft.	**$1.79** per sq. ft.	**$2.63** per sq. ft.	**$2.19** per sq. ft.
				600 SQUARE FEET AND OVER (Less Shielding)		**600 SQUARE FEET AND OVER** (Less Shielding)	
				2.00 per sq. ft.	**1.66** per sq. ft.	**2.48** per sq. ft.	**2.06** per sq. ft.

*The grid furnished is always 2′ longer in the direction of the lamps than the first dimension shown above.

SAI DIFFUSING MEDIA
(Add to Cost of Basic Electrical and Grid Elements Above)

CUBEX LOUVERS (-CL)
½″ x ½″ x ½″ Aluminum Louvers providing 45° x 45° shielding

Cat. No. Suffix	User Net Price	Contr-Dealer Net Price	
-CL	$2.25 per sq. ft.	$1.88 per sq. ft.	

PLASTIC LOUVERS (-PL)
providing 45° x 45° shielding

Cat. No. Suffix	User Net Price	Contr-Dealer Net Price	
-PL	$1.43 per sq ft.	$1.19 per sq. ft.	

STEEL LOUVERS (-L)
2″ x 2″ x 2″ cells providing 45° x 45° shielding

Cat. No. Suffix	User Net Price	Contr-Dealer Net Price	
-L	$2.10 per sq. ft.	$1.75 per sq. ft.	

POLYSTYRENE PLASTIC DISH (-PD)

Cat. No. Suffix	User Net Price	Contr-Dealer Net Price	
-PD	$.60 per sq. ft.	$.50 per sq. ft.	

ACRYLIC PLASTIC DISH (-AD)

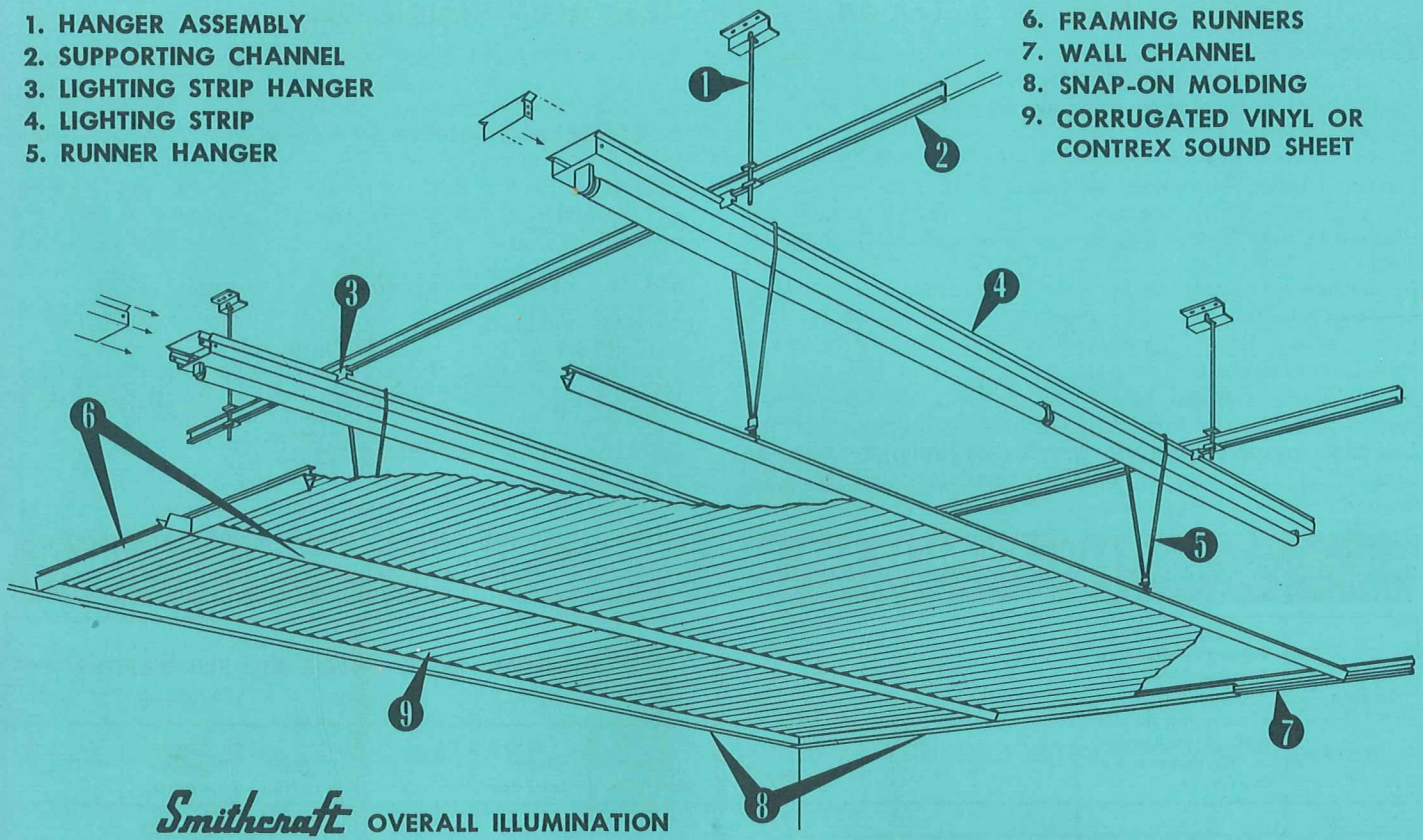
Cat. No. Suffix	User Net Price	Contr-Dealer Net Price	
-AD	$2.48 per sq. ft.	$2.06 per sq. ft.	

HOLOPHANE PRISMALUME (-H) CONTROLENS® #6024

Cat. No. Suffix	User Net Price	Contr-Dealer Net Price	
-H	$5.03 per sq. ft.	$4.17 per sq. ft.	

® The Holophane Company Inc.

1. HANGER ASSEMBLY
2. SUPPORTING CHANNEL
3. LIGHTING STRIP HANGER
4. LIGHTING STRIP
5. RUNNER HANGER
6. FRAMING RUNNERS
7. WALL CHANNEL
8. SNAP-ON MOLDING
9. CORRUGATED VINYL OR CONTREX SOUND SHEET



Smithcraft OVERALL ILLUMINATION

An exceptionally practical wall-to-wall lighting system with a "custom-made" appearance. Each module is contained in mitered craftsmanlike framing providing relief from the monotony of an unbroken expanse of shielding by an interesting accent pattern.

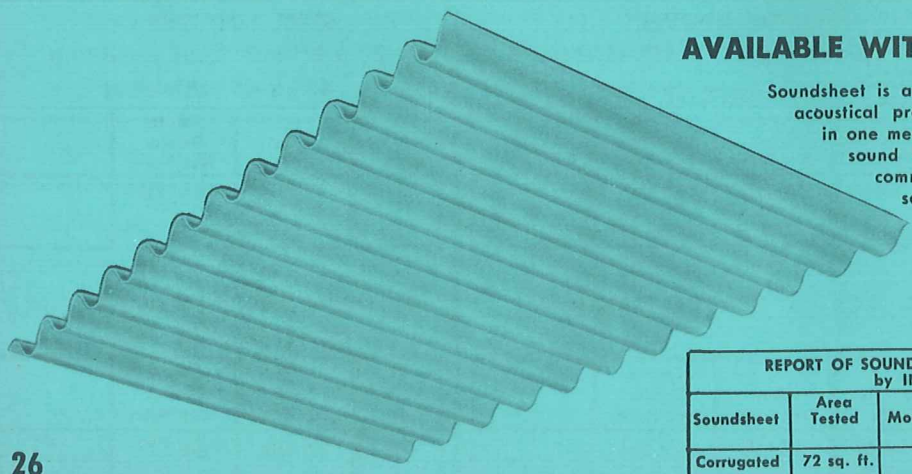
Simple to install because the parts snap together, the system incorporates an exclusive new levelling feature. Once supporting channels are levelled, all other parts are in line assuring a level finished ceiling.

V-shaped framing runners of diffusing medium eliminate annoying black bands, reflecting light from surrounding areas and reducing contrast. Entire system glows with softly-diffused light — free from specular reflections or shadows.

Shorter module length makes access to lighting units or services



above easier. Corrugated Plastic or Contrex shielding sections are only 8′ long and are simply slid in the track. Because of size of corrugated plastic sections, Smithcraft Overall Illumination conforms to National Building Code.



AVAILABLE WITH NEW CONTREX SOUNDSHEET

Soundsheet is an attractive plastic laminate, which combines efficient acoustical properties with high-quality illumination characteristics in one medium. Acoustically, Soundsheet provides more balanced sound absorption at low frequencies than the average of commonly used types of acoustical treatment and good absorption at higher frequencies. According to independent tests of corrugated Soundsheet made with a 10″ cavity depth, Soundsheet's NRC (Noise Reduction Coefficient) is .70. New economies are effected by Soundsheet's combined features of sound absorption and light diffusion in one medium.

REPORT OF SOUND ABSORPTION TEST (A56-300) ON SOUNDSHEET* by INDEPENDENT TESTING LABORATORY										
Soundsheet	Area Tested	Mounting	Thickness	CO-EFFICIENTS						NRC
				125	250	500	1000	2000	4000	
Corrugated	72 sq. ft.	7	0.013″	.34	.73	.72	.60	.67	.69	.70

*Tested with a 10″ cavity

HOW TO ORDER SMITHCRAFT OVERALL ILLUMINATION

1. Determine length and width of room.
2. Determine direction in which lamps are to run.
3. Divide the dimension of the room in the direction of the lamps by 4. Where the length is not an exact multiple of 4, increase this dimension to the next largest exact 4′ multiple to determine the length of the SOI element in the direction of the lamps.
4. Divide the dimension perpendicular to the lamps by 3. Where the width is not an exact multiple of 3, increase this dimension to the next largest exact 3′ multiple to determine the width of the SOI element perpendicular to the lamps.
5. These two dimensions give the catalog number of SOI unit size to be ordered, with the **dimension in the direction of the lamps** as the first dimension. Example: SOI Catalog Number 20′ x 15′ is the correct size to be ordered for a room 19′ x 14′.
6. Multiply the dimensions shown in the catalog number to obtain the total square feet on which the price is to be based. **(Not the actual room dimensions.)**
7. Determine footcandle intensity from table below, which will indicate whether one-lamp or two-lamp strip is required.

EXAMPLE

For a room 25′ x 28′ with lamps running in 25′ direction, order Cat. No. SOI 28′ x 30′. Base price on 28′ x 30′ or 840 square feet.

This installation will provide approximately 45 footcandles with single-lamp strip and approximately 90 footcandles with two-lamp strip. (From table.)

SMITHCRAFT OVERALL ILLUMINATION
AVERAGE ILLUMINATION IN FOOT CANDLES (MAINTAINED)

TABLE IS FOR SINGLE LAMP STRIP (SEE NOTE BELOW FOR TWO-LAMP STRIP *) WITH CORRUGATED VINYL OR WITH CONTREX SOUND SHEET BASED ON 36″ LAMP SPACING

ELEMENT LENGTH PERPENDICULAR TO LAMPS

ELEMENT LENGTH IN DIRECTION OF LAMPS

	9′	12′	15′	18′	21′	24′	27′	30′	33′	36′	39′	42′	45′
12′	14	20	21	25	26	26	27	31	32	32	32	32	32
16′	16	22	31	33	33	34	35	36	37	37	37	37	37
20′	21	26	33	35	36	38	38	39	39	39	43	44	44
24′	21	27	34	36	37	39	40	40	40	41	45	46	46
28′	22	29	35	38	39	40	45	45	46	46	47	52	52
32′	23	33	36	39	40	41	46	46	47	47	53	53	53
36′	27	35	38	39	41	41	47	47	48	54	54	54	54
40′	27	35	39	40	46	45	48	50	52	54	54	54	54
44′	27	35	39	41	46	47	48	52	54	55	57	57	57
48′	27	37	39	44	47	48	49	53	54	57	57	57	57
52′	28	37	40	46	47	48	49	54	55	58	57	58	58

**NOTE: . For two lamp strip units — double above foot candle intensities.*

**NOTE: Above intensities are based on the following: 1. 10′ Mounting Height. 2. Cavity Depth not more than 3′ 0″. 3. Cavity Reflection Factor of 80%. 4. Good Maintenance Factor (.70). 5. Cool White 40-WATT Lamps.*

SMITHCRAFT OVERALL ILLUMINATION

ALL PRICES ARE BASED ON 36″ LAMP SPACING

Shielded by:	Lighting Element	Type of Lamps	User Net Price	Contr-Dealer Net Price	
Corrugated Vinyl	One-Lamp Strip	F40T12RS	**$1.43 sq. ft.**	**$1.19 sq. ft.**	
Corrugated Vinyl	Two-Lamp Strip	F40T12RS	**1.73 sq. ft.**	**1.44 sq. ft.**	
Contrex Soundsheet	One-Lamp Strip	F40T12RS	**2.40 sq. ft.**	**2.00 sq. ft.**	
Contrex Soundsheet	Two-Lamp Strip	F40T12RS	**2.70 sq. ft.**	**2.25 sq. ft.**	

Smithcraft HANGING DEVICES for COMMERCIAL FIXTURES

SINGLE STEM SETS

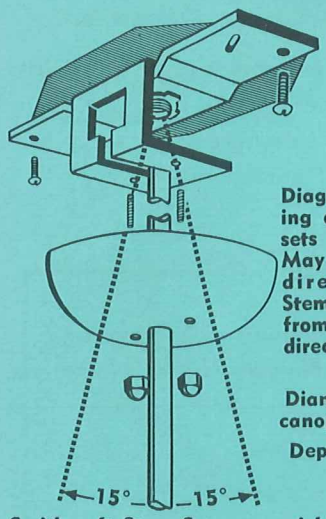


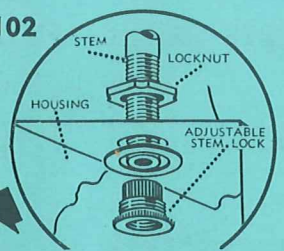
Diagram shows mounting of all single stem sets to outlet box. May also be mounted directly to ceiling. Stem will swivel 15° from the vertical in all directions.

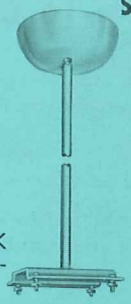
Diameter of canopy 5⅛"
Depth $1\frac{13}{16}$

Smithcraft Stem Sets are quickly and easily mounted to outlet box or ceiling, saving hours of costly installation time. Attachments to fixtures as shown at right are fast, safe and economical.



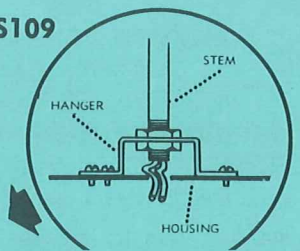
SS102





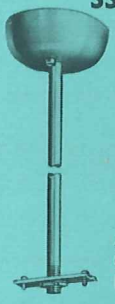
HAS ADJUSTABLE STEM LOCK FOR ADJUSTING AFTER INSTALLATION.

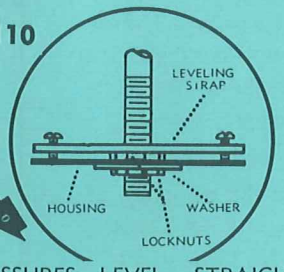
SS109



ASSURES LEVEL, STRAIGHT CONTINUOUS ROW INSTALLATIONS.

SS110

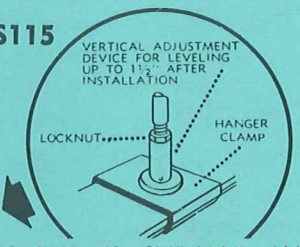






ASSURES LEVEL, STRAIGHT CONTINUOUS ROW INSTALLATIONS.

SS115



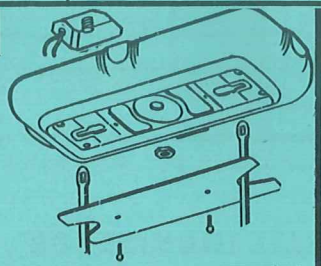
CLAMP IS SLIDABLE ANYWHERE ON HOUSING. HAS ADJUSTABLE FITTING FOR 1½" VERTICAL ADJUSTMENT.

Catalog No.	Description	For Use With	User Net Price	Contr-Dealer Net Price	
SS102	Canopy and Stem Set — canopy, single 15" stem (O.D. ½"), heavy canopy bar, fittings. Stem is adjustable after installation. All White.	Any fixture	**$2.25**	**$1.88**	
SS109	Canopy and Stem Set — canopy, single 24" stem, (O.D. ½"), heavy canopy bar, stem bar fittings. All White.	Skylite,	**2.52**	**2.10**	
SS110	Canopy and Stem Set — canopy, single 24" steel stem (O.D. 11/16"), heavy canopy bar, levelling strap, fittings. All White.	Any fixture	**2.63**	**2.19**	
SS115	Canopy and Stem Set — canopy, single 15" stem, (O.D. ½"), heavy canopy bar, hanger clamp with adjustable stem, fittings. Stem is adjustable up to 1½" All White.	Eye-Q, Mercury, Federal	**2.48**	**2.06**	
For Stem Sets listed above, for longer lengths, add for each foot or fraction thereof (added stem lengths come in 6" multiples)			.44 Per foot per stem	.36	

For Stem Set SS117 for the Director, see page 8. | **For Stem Set 118 See page 12** | **For Stem Set 119 for the Large Element, see page 11.**

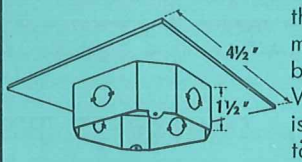
DOUBLE STEM SET

Makes pendant mounting a one-man job Simplifies the hanging of fixtures and saves up to 50% on installation costs. May be mounted directly over outlet box or directly to ceiling with toggle or expansion bolts through counter sunk holes.



Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
SS105	Canopy and Double Stem Set — Canopy, two 30" steel stems (O.D. 11/16" 8" on centers). Plate insert with screws. Size of canopy 13½" x 6¼".	**$4.35**	**$3.63**	
For Stem Set listed above, for longer lengths, add for each foot or fraction thereof (Added stems come in 6" multiples).		**$.80**	**$.66**	

S5814 SURFACE MOUNTING SPACER

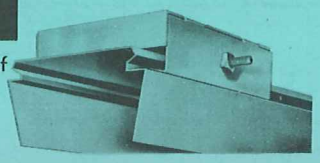


National Electrical Code requires that fluorescent units be mounted a minimum of 1½" away from combustible low-density fibreboard. Where electrical supply connection is required, S5814 spacers are attached directly to 4" octagonal outlet. Or they are attached directly to ceiling through fixture with toggle bolts where no feed is required.

Catalog No.		User Net Price	Contr-Dealer Net Price	
S5814	Order 2 per fixture	**$.60**	**$.50**	

S4939 CEILING CLAMP

for simplified surface mounting of the Eye-Q, Mercury, Federal.



These clamps (two to a fixture) are fastened to the ceiling and the fixture is snapped into place. Fixture can then be slid into required position.

	User Net Price	Contr-Dealer Net Price	
S4939 — Ceiling Clamp (Permits simplified surface mounting.) Two required per fixture.	**$1.13** each	**$.94** each	

CUBEX LOUVERS

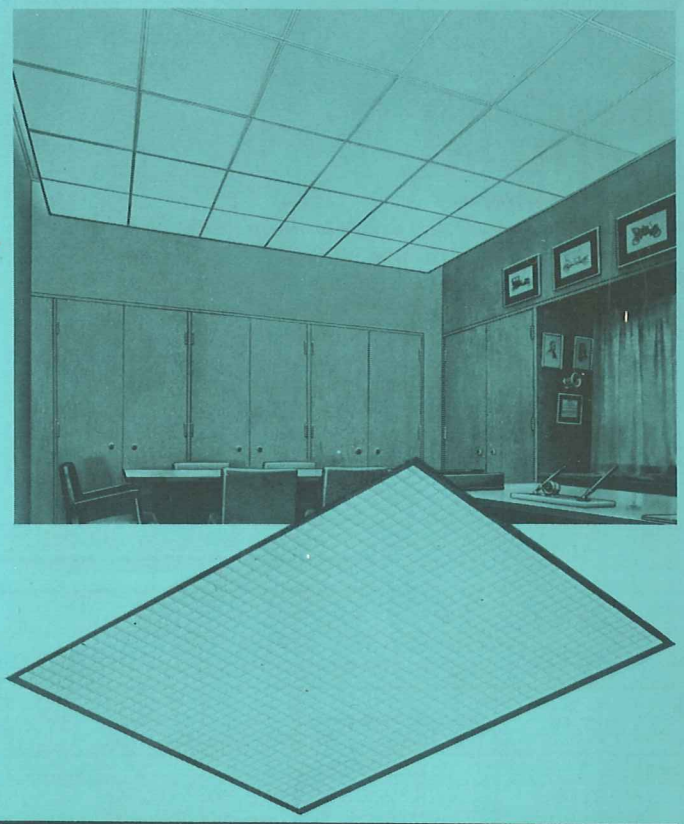
½″ x ½″ x ½″ ALUMINUM LOUVERS
PROVIDING 45° x 45° SHIELDING

Cubex Aluminum Louvers are a new achievement in shielding comfort and in beauty providing 45° x 45° shielding in a very low-bright architecturally-pleasing medium. Cells of the louver are small enough to attain a pleasing crispness and to permit excellent efficiency. Manufactured of aluminum by an exclusive Smithcraft process (patents pending) Cubex Louvers are finished in a special low-bright, non-specular baked white enamel. They are light in weight and easy to handle, yet strong and durable because they are locked at each intersection.

Cubex Aluminum Louvers are excellent for a wide variety of lighting uses; for original installations as a shielding media in lobbies, offices, stores, etc. They may also be used as replacement shielding media in 2′ x 2′, 3′ x 3′ or 4′ x 4′ grid-type suspension systems. Other sizes available for special applications.

Available also with an anodized aluminum finish and in a wide variety of colors to harmonize with various decorating schemes.

FOR USES WITH SMITHCRAFT EQUIPMENT, SEE THE SMITHCRAFT FORUM, PAGE 5, SMITHCRAFT LARGE ELEMENT, PAGES 10 AND 11, SMITHCRAFT AREA ILLUMINATION, PAGES 24 AND 25 SMITHCRAFT TROFFERS, PAGES 11 AND 14–16, RECESSED SECTION. PRICE SCHEDULE #220A.



CONTREX SOUNDSHEET

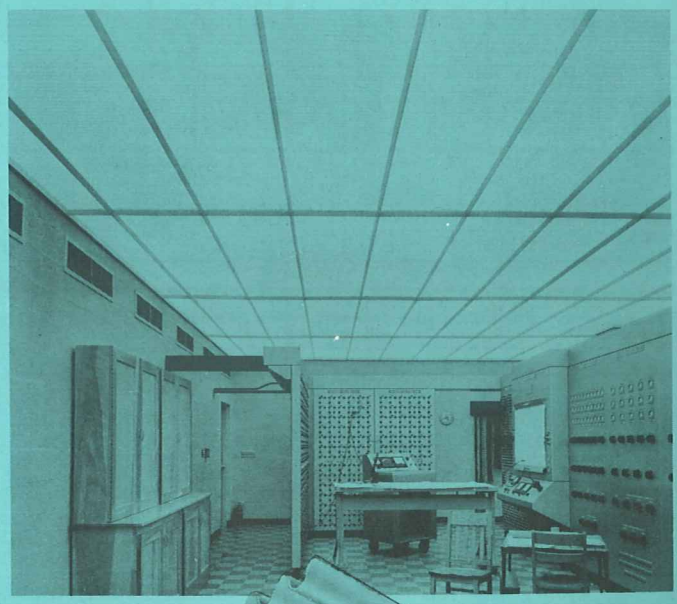
LIGHT DIFFUSION AND ACOUSTICAL CORRECTION COMBINED

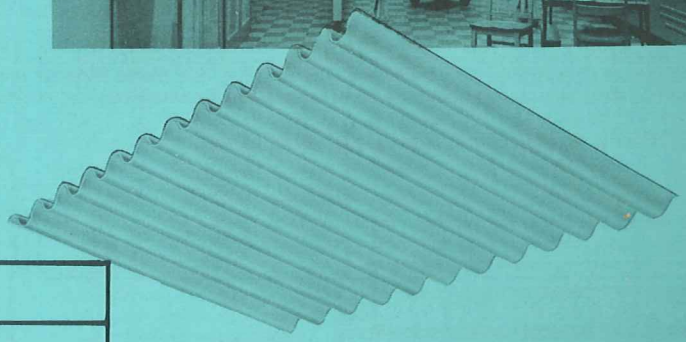
Soundsheet is an attractive plastic laminate, which combines efficient acoustical properties with high-quality illumination characteristics in one medium. Ideal for use as a replacement for corrugated vinyl ceilings which need renovating and where noise reduction is desirable. Acoustically, Soundsheet provides more balanced sound absorption at low and high frequencies than commonly used types of acoustical treatment. According to tests conducted by the Riverside Acoustical Laboratories of corrugated Soundsheet made with a 10″ cavity depth, Soundsheet's NRC (Noise Reduction Coefficient) is .70. New economies are effected by Soundsheet's combined features of sound absorption and light diffusion in one medium.

Soundsheet is available in corrugated form 2′, 3′ and 4′ wide in lengths as desired.

Also available in flat sheets 2′, 3′ and 4′ wide in lengths as desired.

SEE PAGES 26 AND 27 FOR SMITHCRAFT OVERALL ILLUMINATION WITH CONTREX SOUNDSHEET.





Corrugated Soundsheet

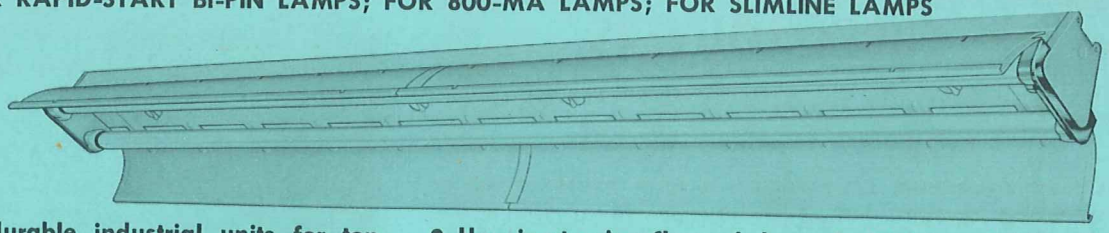
Catalog No.	Width	User Net Price	Contr-Dealer Net Price	
CC42	2-foot wide	**$1.35** per sq. ft.	**$1.13** per sq. ft.	
CC43	3-foot wide	**1.35** per sq. ft.	**1.13** per sq. ft.	
CC44	4-foot wide	**1.35** per sq. ft.	**1.13** per sq. ft.	

MFS-MFP *Smithcraft* MONITOR WITH 15% UPLIGHTING MFS-MFP

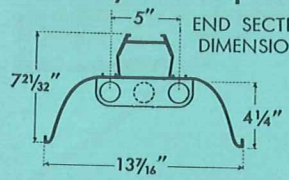
LIGHT DISTRIBUTION 2 LIGHT UNITS $\frac{15\uparrow}{85\downarrow}$ FOR RAPID-START BI-PIN LAMPS; FOR 800-MA LAMPS; FOR SLIMLINE LAMPS

LIGHT DISTRIBUTION 3 LIGHT UNITS $\frac{12\uparrow}{88\downarrow}$

SMITHCRAFT RLM



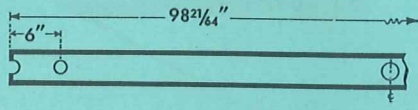
- Quality-constructed, durable industrial units for top value and long-term use.
- 2-light units—15% uplighting—15° crosswise shielding.
- 3-light units—12% uplighting—15° crosswise shielding.
- Uplighting is through collared reflector apertures for extra strength.
- Reflectors are ribbed for extra strength.
- Turret lampholders provide trouble-free service and securely lock lamps in place.
- Housing top is a flanged channel with integral side rails to receive slideable hangers (HE508). Adds strength and rigidity.
- Plastic inserts act as reflector couplings, seal light leaks and line up reflectors perfectly in continuous rows.
- Easy-to-grasp, captive, white reflector catches.
- Quickly mounted by any conventional means — rod, chain, messenger cable, etc.



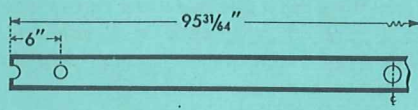
END SECTION DIMENSIONS

SPACING OF KNOCKOUTS

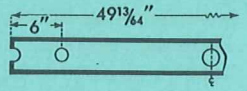
2-42



2-96



2-40



BAKED ENAMEL REFLECTORS FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL†					
MFS2-40	2 F40T12RS	30	$22.50	$18.75	
MFS3-40	3 F40T12RS	35	30.83	25.69	
CONTINUOUS ROW*					
CMFS2-40	2 F40T12RS	30	22.50	18.75	
CMFS2-42	4 F40T12RS (8′ housing)	59	44.18	36.81	
CMFS3-40	3 F40T12RS	35	30.83	25.69	
CMFS3-42	6 F40T12RS (8′ housing)	65	55.13	45.94	

FOR 800-MA RAPID-START BI-PIN LAMPS

INDIVIDUAL†					
MFS2-96-800	2 F96T12HO	53	$45.30	$37.75	
MFS3-96-800	3 F96T12HO	66	62.85	52.38	
CONTINUOUS ROW*					
CMFS2-96-800	2 F96T12HO	53	45.30	37.75	
CMFS3-96-800	3 F96T12HO	66	62.85	52.38	

FOR SLIMLINE LAMPS

INDIVIDUAL†					
MFS2-96	2 F96T12	57	$36.98	$30.81	
MFS3-96	3 F96T12	66	53.25	44.38	
CONTINUOUS ROW*					
CMFS2-96	2 F96T12	57	36.98	30.81	
CMFS3-96	3 F96T12	66	53.25	44.38	

PORCELAIN ENAMEL REFLECTORS FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL†					
MFP2-40 (RLM)	2 F40T12RS	31	$23.63	$19.69	
MFP3-40	3 F40T12RS	36	31.95	26.63	
CONTINUOUS ROW*					
CMFP2-40 (RLM)	2 F40T12RS	31	23.63	19.69	
CMFP2-42 (RLM)	4 F40T12RS (8′ housing)	61	46.43	38.69	
CMFP3-40	3 F40T12RS	36	31.95	26.63	
CMFP3-42	6 F40T12RS (8′ housing)	67	57.38	47.81	

FOR 800-MA RAPID-START BI-PIN LAMPS

INDIVIDUAL†					
MFP2-96-800	2 F96T12HO	55	$47.55	$39.63	
MFP3-96-800	3 F96T12HO	68	65.10	54.25	
CONTINUOUS ROW*					
CMFP2-96-800	2 F96T12HO	55	47.55	39.63	
CMFP3-96-800	3 F96T12HO	68	65.10	54.25	

FOR SLIMLINE LAMPS

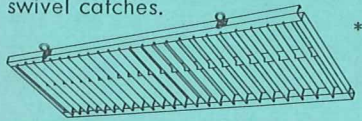
INDIVIDUAL†					
MFP2-96 (RLM)	2 F96T12	59	$39.23	$32.69	
MFP3-96	3 F96T12	68	55.35	46.13	
CONTINUOUS ROW*					
CMFP2-96 (RLM)	2 F96T12	59	39.23	32.69	
CMFP3-96	3 F96T12	68	55.35	46.13	

SPECIFY HOW UNITS ARE TO BE HUNG, LENGTH AND NUMBER OF ROWS, SO WE CAN SUPPLY PROPER ACCESSORIES.

PACKED ONE UNIT TO A CARTON, IF SO SPECIFIED, DROP SHIPMENTS PACKED BULK

†INDIVIDUAL units include fixture with end caps and in 8′ units plastic reflector couplings between 4′ reflectors.
**CONTINUOUS units include fixtures with necessary housing connectors and end caps to finish off rows, also plastic reflector couplings between 4′ reflectors and between fixtures.*

4′ LOUVER DOOR FOR 30° x 30° SHIELDING** Side from which louver hinges is optional. Louvers are extremely strong and rigid because of permanent welding at each intersection and because of integral side rails. Louver releases by simple swivel catches.



***Requires use of Reflector End Closures (ER720) for individual mounting or for ends of continuous rows. Also used on units without louvers to close ends of of reflectors, as desired.*

Catalog No.	User Net Price	Contr-Dealer Net Price	
L316	$7.50	$6.25	

ACCESSORIES

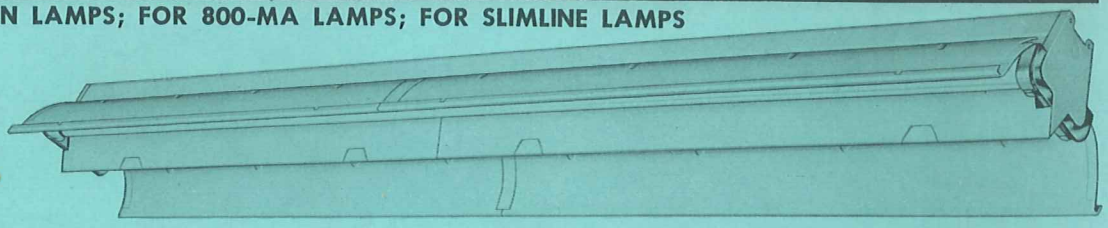
Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
HE508	SLIDE HANGER for rod, chain or messenger cable	$.45 ea.	$.38 ea.	
E736	Housing End Cap	.45 ea.	.38 ea.	
ER720	Reflector End Closure	.68 ea.	.56 ea.	
HC706	Housing Connector	.45 ea.	.38 ea.	

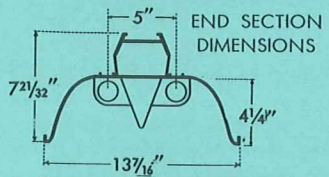
MVS-MVP *Smithcraft* MONITOR V-25 WITH 25% UPLIGHTING MVS-MVP

FOR RAPID-START BI-PIN LAMPS; FOR 800-MA LAMPS; FOR SLIMLINE LAMPS

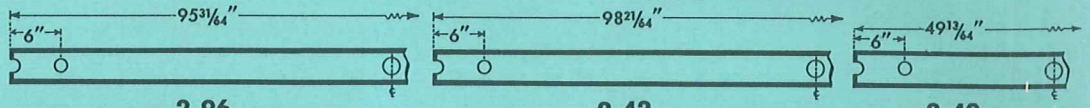
LIGHT DISTRIBUTION ↑25 ↓75







SPACING OF KNOCKOUTS



2-96 2-42 2-40

- **Top quality, high value industrial units with V-shaped reflectors to shield the lamps for low brightness and high efficiency.**
- **30° crosswise shielding — 25% uplighting through reflector apertures, collared for extra strength.**
- **Reflectors are ribbed for extra strength.**
- **Turret lampholders provide trouble-free service and securely lock lamps in place.**
- **Housing top is a flanged channel with integral side rails to receive slideable hangers (HE508). Adds strength and rigidity.**
- **Plastic inserts act as reflector couplings. Seal light leaks and line up reflectors perfectly in continuous rows.**
- **Easy-to-grasp V-shaped, white reflector catches.**
- **Quickly mounted by any conventional means — rod, chain, messenger cable, etc.**

BAKED ENAMEL REFLECTORS FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
Individual — Fixture with end caps					
MVS2-40	2 F40T12RS	32	**$27.00**	**$22.50**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.					
CMVS2-40	2 F40T12RS	32	**27.00**	**22.50**	
CMVS2-42	4 F40T12RS	64	**53.25**	**44.38**	

FOR 800-MA RAPID-START BI-PIN LAMPS

INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.					
MVS2-96-800	2 F96T12HO	55	**$51.00**	**$42.50**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps to finish off rows. Includes plastic reflector couplings between 4′ reflectors and between fixtures.					
CMVS2-96-800	2 F96T12HO	55	**51.00**	**42.50**	

FOR SLIMLINE LAMPS

INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.					
MVS2-96	2 F96T12	62	**$42.15**	**$35.13**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.					
CMVS2-96	2 F96T12	62	**42.15**	**35.13**	

PORCELAIN ENAMEL REFLECTORS FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL — Fixture with end caps.					
MVP2-40 (RLM)	2 F40T12RS	31	**$28.50**	**$23.75**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.					
CMVP2-40 (RLM)	2 F40T12RS	31	**28.50**	**23.75**	
CMVP2-42 (RLM)	4 F40T12RS	61	**56.25**	**46.88**	

FOR 800-MA RAPID-START BI-PIN LAMPS

INDIVIDUAL — Fixture with end caps.					
MVP2-96-800	2 F96T12HO	57	**$53.25**	**$44.38**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.					
CMVP2-96-800	2 F96T12HO	57	**53.25**	**44.38**	

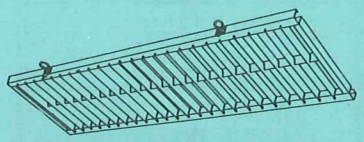
FOR SLIMLINE LAMPS

INDIVIDUAL — Fixture with end caps, includes plastic reflector couplings between 4′ reflectors.					
MVP2-96 (RLM)	2 F96T12	59	**$45.15**	**$37.63**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.					
CMVP2-96 (RLM)	2 F96T12	59	**45.15**	**37.63**	

SPECIFY HOW UNITS ARE TO BE HUNG, LENGTH AND NUMBER OF ROWS, SO WE CAN SUPPLY PROPER ACCESSORIES.

PACKED ONE UNIT TO A CARTON, IF SO SPECIFIED, DROP SHIPMENTS PACKED BULK

4′ LOUVER DOOR FOR 30° x 30° SHIELDING* Side from which louver hinges is optional. Louvers are extremely strong and rigid because of permanent welding at each intersection and because of integral side rails. Louver releases by simple swivel catches.



**Requires use of Reflector End Closures (ER720) for individual mounting or for ends of continuous rows. Also used on units without louvers to close ends of reflectors, as desired.*

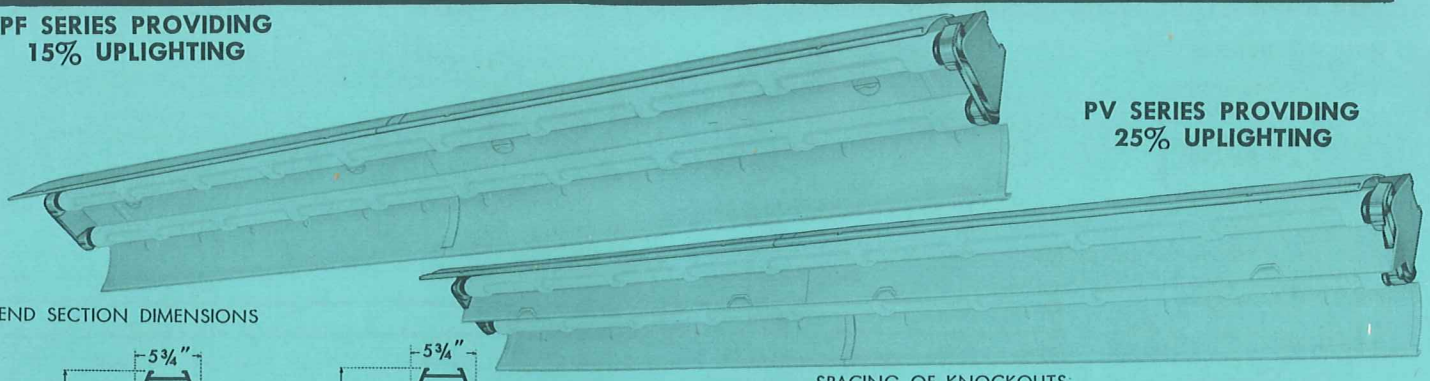
Catalog No.	User Net Price	Contr-Dealer Net Price	
L317	**$6.75**	**$5.63**	

ACCESSORIES

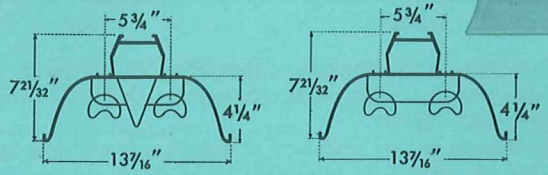
Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
E737	Housing End Cap	**.53** ea.	**.44** ea.	
ER720	Reflector End Closure	**.68** ea.	**.56** ea.	
HC706	Housing Connector	**.45** ea.	**.38** ea.	
HE508	SLIDE HANGER for rod, chain or messenger cable	**.45** ea.	**.38** ea.	

PF SERIES PROVIDING 15% UPLIGHTING

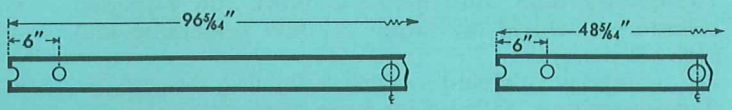
PV SERIES PROVIDING 25% UPLIGHTING



END SECTION DIMENSIONS



SPACING OF KNOCKOUTS



- **PF-series — 11° crosswise shielding — 15% uplighting.**
- **PV-series — 17° crosswise shielding — 25% uplight-lighting. V-type reflectors shield lamps with high efficiency and low brightness.**
- **Uplighting apertures are collared for extra strength.**
- **Reflectors are ribbed for extra strength.**
- **Housing top is a flanged channel with integral side rails to receive slideable hangers (HE-508). Adds strength and rigidity.**
- **Plastic inserts act as reflector couplings. Seal light leaks and line up reflectors perfectly in continuous rows.**
- **Easy-to-grasp, captive, white reflector catches.**
- **Quickly mounted by any conventional means — rod, chain, messenger cable, etc.**
- **Up to 2½ times higher levels at lower cost per foot candle.**
- **Designed for top value and long-term use.**

FLAT REFLECTOR — 15% UPLIGHTING

BAKED ENAMEL REFLECTORS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.					
PFS2-96	2 F96PG17	63	**$64.13**	**$53.44**	
PFS2-48	2 F48PG17	41	**37.88**	**31.56**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes plastic couplings between 4′ reflectors and between fixtures.					
CPFS2-96	2 F96PG17	63	**64.13**	**53.44**	
CPFS2-48	2 F48PG17	41	**37.88**	**31.56**	

PORCELAIN ENAMEL REFLECTORS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.					
PFP2-96	2 F96PG17	65	**$67.13**	**$55.94**	
PFP2-48	2 F48PG17	42	**39.38**	**32.81**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.					
CPFP2-96	2 F96PG17	65	**67.13**	**55.94**	
CPFP2-48	2 F48PG17	42	**39.38**	**32.81**	

V-REFLECTOR — 25% UPLIGHTING

INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.					
PVS2-96	2 F96PG17	68	**$69.38**	**$57.81**	
PVS2-48	2 F48PG17	44	**41.25**	**34.38**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.					
CPVS2-96	2 F96PG17	68	**69.38**	**57.81**	
CPVS2-48	2 F48PG17	44	**41.25**	**34.38**	

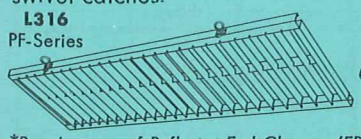
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.					
PVP2-96	2 F96PG17	70	**$72.38**	**$60.31**	
PVP2-48	2 F48PG17	45	**42.75**	**35.63**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.					
CPVP2-96	2 F96PG17	70	**72.38**	**60.31**	
CPVP2-48	2 F48PG17	45	**42.75**	**35.63**	

SPECIFY HOW UNITS ARE TO BE HUNG, LENGTH AND NUMBER OF ROWS, SO WE CAN SUPPLY PROPER ACCESSORIES.

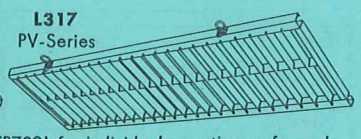
PACKED ONE COMPLETE UNIT TO A CARTON, IF SO SPECIFIED, DROP SHIPMENTS PACKED BULK

4′ LOUVER DOOR FOR 30° x 30° SHIELDING* Side from which louver hinges is optional. Louvers are extremely strong and rigid because of permanent welding at each intersection and because of integral side rails. Louver releases by simple swivel catches.

L316 PF-Series



L317 PV-Series



**Requires use of Reflector End Closures (ER720) for individual mounting or for ends of continuous rows. Also used on units without louvers to close ends of reflectors, as desired.*

Catalog No.	User Net Price	Contr-Dealer Net Price	
L317 PV-series	**$6.75**	**$5.63**	
L316 PF-series	**7.50**	**6.25**	

ACCESSORIES

Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
E736	Housing End Cap PF-series	**$.45** ea..	**$38** ea.	
E737	Housing End Cap PV-series	**.53** ea.	**.44** ea.	
ER720	Reflector End Closure	**.68** ea.	**.56** ea.	
HC706	Housing Connector	**.45** ea.	**.38** ea.	
HE508	SLIDE HANGER for rod, chain or messenger cable	**.45** ea.	**.38** ea.	

FOR 8′ SLIMLINE LAMPS; FOR 4′ RAPID-START LAMPS

PROVIDING 19% UPLIGHTING

AMERICA'S FINEST FACTORY LIGHTING

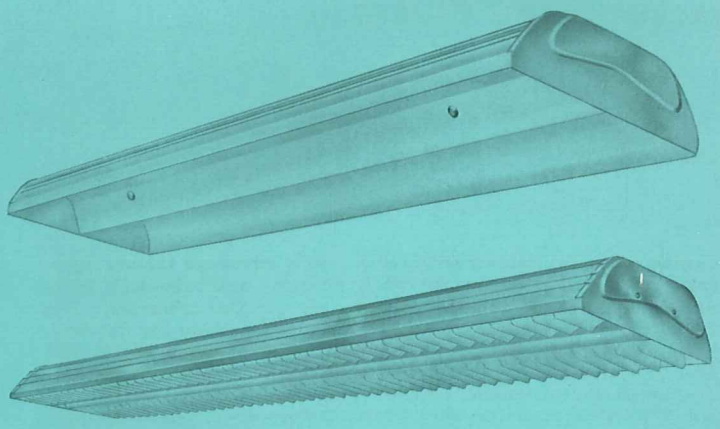
Wherever the Smithcraft A•L•S is installed, many favorable production factors result: improved quality, greater accuracy, less fatigue, improved safety conditions, less employee turnover and absenteeism. The following quality lighting characteristics explain why the A•L•S is "lighting for production" and why the unit provides today's most comfortable factory seeing.

- **Extremely high efficiency.**
- **30° crosswise shielding**
- **Transverse uplighting* . . . lights ceiling without "hot spots". (Patent Reissue #23,485. 19% of the fixture output is in uplighting.**
- **The A•L•S is more than 16" wide; lamps are spaced 8" apart . . . results in extremely comfortable low brightness.**
- **Continuous lines of light . . . all light from end to end . . . no dark areas between fixtures—lampholders are back to back.**

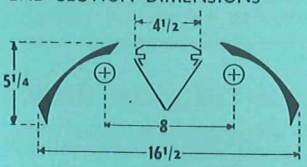
In addition to these outstanding lighting characteristics, the A•L•S is easy and economical to install and maintain and has several important safety features.

- **Lamps are roofed over for protection against falling dust.**
- **Stays clean longer. Airflow construction minimizes accumulation of dust.**
- **Reflectors are removed simply by pressing conveniently located release buttons.**
- **Reflectors cannot vibrate loose. Lamps are double-held . . . by lamp socket . . . by reflector.**
- **Reflectors are rolled sections with box-like construction at both edges providing new strength and rigidity.**

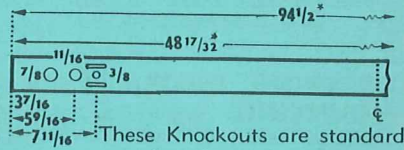
The A•L•S is extremely easy and simple to install by any of the usual methods (rod conduit stem set, chain, messenger cable, etc.) The Smithcraft A•L•S is finished in White Supercoat Baked Enamel with a reflectance of 86%



END SECTION DIMENSIONS



SPACING OF KNOCKOUTS



These Knockouts are standard for 4′ and 8′ units

*In Continuous Rows add 3/8" (End Cap dimension) only at end of rows.

BUY LIGHTING — NOT FIXTURES! !

A•L•S Quality Factory Lighting actually costs less to own and operate. Fewer units are required to produce the same lighting levels. The figures shown below are based on a typical industrial area, but regardless of size or other conditions substantial savings will be effected with A•L•S Quality Factory Lighting. Fixture X is a unit with 6-10% uplighting (design and performance conforming with RLM standards.)

	A•L•S QUALITY Factory Lighting	FIXTURE X
TOTAL FIRST COST 184—A-L•S/216—FIXTURES X	$11.549.68	$12,173.76
AMORITIZATION 10% PER YEAR	1,154.97	1,217.38
LAMP COSTS	654.36	766.08
MAINTENANCE	184.00	324.00
POWER COSTS	2,915.52	3,410.88
TOTAL ANNUAL COST	$4,908.85	$5,718.34

- NET SAVING PER YEAR **$809.49**
- TEN YEAR SAVING **$8,094.90**
- NET SAVING PER YEAR FOR EACH A•L•S UNIT INSTALLED **$4.40**

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
ALS2-96	2 F96T12	60	$50.48	$42.06	

FOR RAPID-START BI-PIN LAMPS

ALS2-40	2 F40T12RS	33	33.53	27.94	

FOR 800-MA RAPID-START 8′ LAMPS

ALS2-96-800	2 F96T12HO	55	61.43	51.19	

A.L.S. WITH LOUVERS

Providing 30° crosswise, 30° lengthwise shielding

FOR SLIMLINE LAMPS (430-MA)

ALS2-96L	2 F96T12	61	$63.23	$52.69	

FOR RAPID-START BI-PIN LAMPS

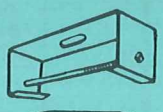
ALS2-40L	2 F40T12RS	34	40.28	33.56	

FOR 800-MA RAPID-START BI-PIN LAMPS

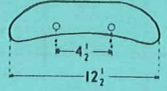
ALS2-96-800L	2 F96T12HO	56	74.18	61.81	

PACKED ONE COMPLETE UNIT TO A CARTON

HE505
HE506



E730



HC705



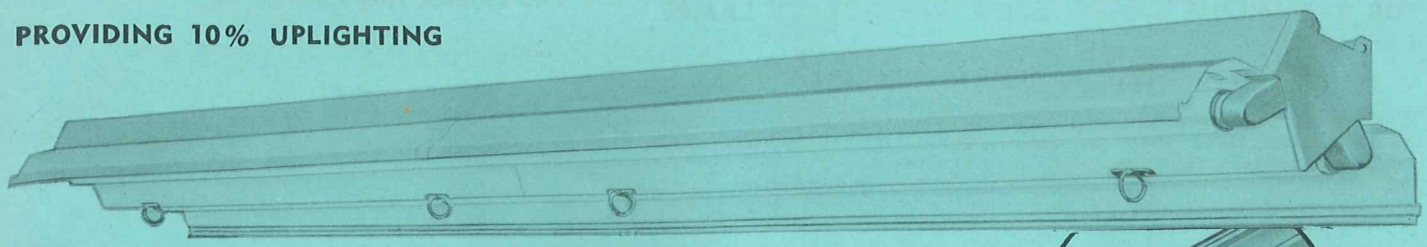
A. L. S. PARTS AND ACCESSORIES

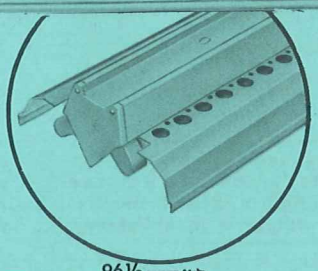
Catalog No.	User Net Price	Contr-Dealer Net Price	
HE505 — Slide grip clamp for chain and rod mounting	$.68	$.56	
HE506 — Slidegrip clamp for ½" conduit mounting	.68	.56	
E730 — Channel End Cap	1.05	.88	
HC705 — Housing Connector	.38	.31	

FOR OTHER INDUSTRIAL FIXTURE ACCESSORIES, SEE PAGE 35.

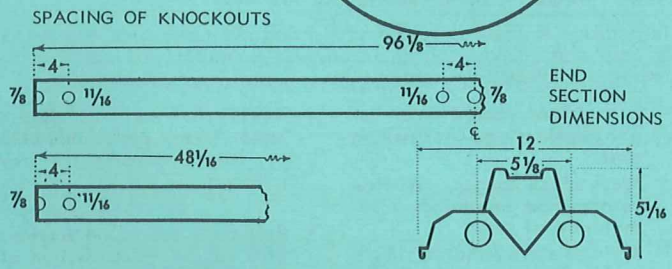
FOR 8′ SLIMLINE LAMPS; FOR 4′ BI-PIN LAMPS — RAPID-START

PROVIDING 10% UPLIGHTING





Engineered in accordance with today's most advanced factory lighting practice, the Smithcraft Tech provides approximately 10% uplighting through openings in the top of the reflectors. The smooth sides of the housing are constructed on an angle for maximum uplighting efficiency. Reflectors provide a shielding of 13° and have a V-center construction that results in comfortable low-brightness and a shallow, compact unit. Finish of the Tech is all white with reflectors of either porcelain or white baked enamel. Through an exclusive new Smithcraft mounting arrangement, hangers are simply slid into the flanged channel which is the top of the housing, saving hours of installation time. Rods, chain or messenger cable clamps are easily attached to the hangers. Large grip, spring-mounted loops are given a simple quarter turn to release the reflectors.



ORDERING INFORMATION CONTINUOUS ROW MOUNTING: Specify how the units are to be hung, length of rows and number of rows. We can then check the correct quantity of end caps, connectors, reflector couplings and accessories which may be required, which we furnish with continuous mounting units.

FOR RAPID START BI-PIN LAMPS

SUPERCOAT BAKED ENAMEL REFLECTORS

INDIVIDUAL MOUNTING (Fixture with End Cups)

Catalog No.	No. and Type of Lamps	Ship Wt.	User Net Price	Contr-Dealer Net Price	
TEC2-40S	2 F40T12RS	26	$20.25	$16.88	
TEC2-42S	4 F40T12RS	52	40.35	33.63	
(8′ housing- Two 4′ reflectors)					

CONTINUOUS MOUNTING — (See note below)*

CTEC2-40S	2 F40T12RS	27	$20.25	$16.88	
CTEC2-42S	4 F40T12RS	52	40.35	33.63	
(8′ housing- Two 4′ reflectors)					

LIFETIME PORCELAIN ENAMEL REFLECTORS

INDIVIDUAL MOUNTING — Fixture with End Caps

TEC2-40P	2 F40T12RS	27	$21.75	$18.13	
TEC2-42P	4 F40T12RS	54	43.35	36.13	
(8′ housing- Two 4′ reflectors)					

CONTINUOUS MOUNTING — (See note below)*

CTEC2-40P	2 F40T12RS	27	$21.75	$18.13	
CTEC2-42P	4 F40T12RS	54	43.35	36.13	
(8′ housing- Two 4′ reflectors)					

FOR SLIMLINE LAMPS (430-MA)

SUPERCOAT BAKED ENAMEL REFLECTORS

INDIVIDUAL MOUNTING (Fixture with End Cups)

Catalog No.	No. and Type of Lamps	Ship Wt.	User Net Price	Contr-Dealer Net Price	
TEC2-96S	2 F96T12	55	$37.13	$30.94	
(8′ housing- 8′ reflector)					

CONTINUOUS MOUNTING — (See note below)*

CTEC2-96S	2 F96T12	55	$37.13	$30.94	
(8′ housing- 8′ reflector)					

LIFETIME PORCELAIN ENAMEL REFLECTORS

INDIVIDUAL MOUNTING — Fixture with End Caps

TEC2-96P	2 F96T12	57	$39.90	$33.25	
(8′ housing- Two 4′ reflectors					

CONTINUOUS MOUNTING — (See note below)*

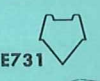
CTEC2-96P	2 F96T12	57	$39.90	$33.25	
(8′ housing- Two 4′ reflectors)					

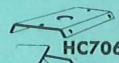
TECH FOR 800-MA RAPID-START LAMPS

	User Net Price	Contr-Dealer Net Price	
Add to prices of TEC2-96 units as follows. Add 800 to Cat. No. Ex. TEC2-96-800S	$10.13	$8.44	

*CONTINUOUS ROW MOUNTING — Includes necessary end caps to finish off rows. Includes connectors and reflector couplings (RC102) between 4′ reflectors and between fixtures.


HE508


E731


HC706


RC102

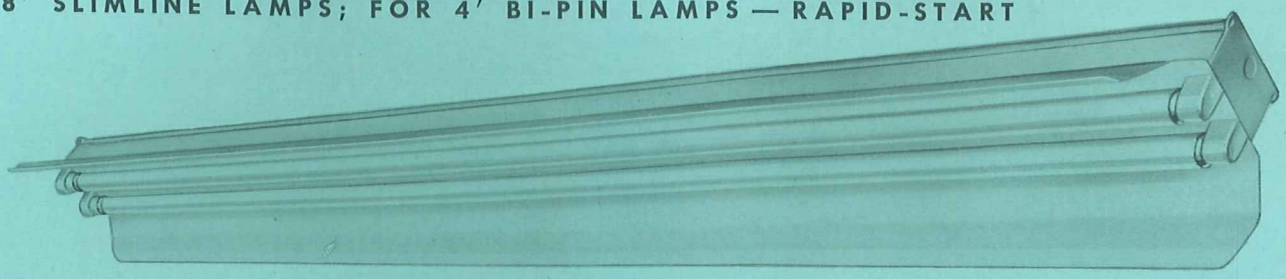
TECH PARTS AND ACCESSORIES

Catalog No.	User Net Price	Contr-Dealer Net Price	
HE508 — Slide Hanger for rod chain or messenger cable mounting	$.45	$.38	
E731 — End cap	.45	.38	
HC706 — Housing connector	.45	.38	
RC102 — Pair of reflector couplings	.45	.38	

SEE PAGE 35 FOR OTHER INDUSTRIAL FIXTURE ACCESSORIES

Tech units are packed one complete unit to a carton, if so specified. Drop shipments packed bulk.

FOR 8′ SLIMLINE LAMPS; FOR 4′ BI-PIN LAMPS — RAPID-START

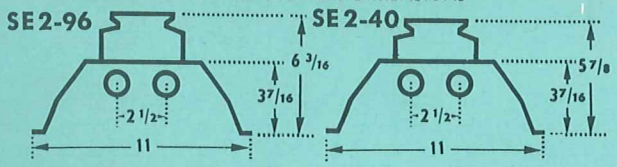


Fully guaranteed by Smithcraft these outstanding quality constructed industrial units are extremely economical in cost. Heavy gauge steel reflectors provide a 13½° shielding. CBM-Ballasts are fully enclosed. Installation and maintenance are simple, fast and efficient.

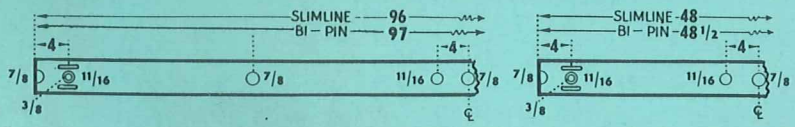
Available in Rapid Start or Slimline, with Supercoat Baked Enamel Reflectors. For individual or continuous mounting.

Ordering information continuous row: specify length of rows and number of rows, so we can furnish the correct quantity of end caps and connectors.

END SECTION DIMENSIONS



SPACING OF KNOCKOUTS



FOR RAPID-START BI-PIN LAMPS

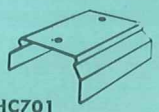
Catalog No.	No. and Type of Lamps	Ship Wt.	User Net Price	Contr-Dealer Net Price	
SUPERCOAT BAKED ENAMEL REFLECTORS					
INDIVIDUAL MOUNTING (Fixture with End Caps)					
SE2-40	2 F40T12RS	21	**$15.60**	**$13.00**	
CONTINUOUS MOUNTING (Fixture with necessary housing connector and End Caps).					
CSE2-40	2 F40T12RS	21	**$15.60**	**$13.00**	
CSE2-42	4 F40T12RS (8′ Housing-4′ reflectors)	42	**31.20**	**26.00**	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship Wt.	User Net Price	Contr-Dealer Net Price	
SE2-96	2 F96T12 (8′ housing-8′ reflectors)	46	**$28.88**	**$24.06**	
CSE2-96	2 F96T12 (8′ housing-8′ reflectors)	46	**$28.88**	**$24.06**	

SE SERIES PARTS AND ACCESSORIES


E727

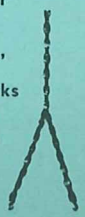

HC701


HE502

Catalog No.	User Net Price	Contr-Dealer Net Price	
E727 — Channel End Cap (gray)	**$.30**	**$.25**	
HC701 — Housing Connector	**.38**	**.31**	
HE502 — Slidegrip Hangers	**.53**	**.44**	

INDUSTRIAL FIXTURE ACCESSORIES

Part No. and Description		For Use With	User Net Price	Contr-Dealer Net Price	
	**P200** — 4′ long, 2-wire #18SJ cord with **2-prong parallel blade plug,** for 125 volts — wired into fixture.	All Ind. Fixtures	$.83	$.69	
	For longer lengths, **add** for each foot or fraction thereof		.09	.08	
	**P300** — 5′ long, 3-wire #18SJ cord with **parallel-ground blade plug,** for 125 volts — wired into fixture.	All Ind. Fixtures	1.73	1.44	
	For longer length **ADD** for each foot of cord or fraction thereof		.11	.09	

Part No. and Description		For Use With	User Net Price	Contr-Dealer Net Price	
Chain Suspension "S" Hooks 	**C150** — Two 4′ lengths HEAVY CHAIN with Y branch and #39 "S" hooks.	All Ind. Fixtures	1.01	.84 per set	
	For longer lengths, **add** for each foot or fraction thereof		.11	.09	
	S100 — #39 "S" hooks		.03	.03	
	CC800 — Chain Adaptor for chain mounting. Fits in slots on housing.	ALS SE units	.07	.06	
Messenger Cable Clamp 	**MS605** — Bolts through K. O. in housing top or bolts to slide Hangers. Hangs from Messenger Cable.	All Ind. Fixtures	.38	.31	

Smithcraft

LIGHTING

CHELSEA 50, MASSACHUSETTS

AMERICA'S FINEST FLUORESCENT LIGHTING

PRINTED IN U.S.A.

Smithcraft RECESSED FLUORESCENT LIGHTING EQUIPMENT

CONTR.-DEALER PRICE CATALOG SCHEDULE CD220-A

Smithcraft LIGHTING, CHELSEA 50, MASS.

This price Catalog supersedes Price Schedule #219 and #219-A and all previous price lists.

JULY 21, 1958

GENERAL INDEX

	Page No.
Conditions of Sale	2
General Ordering Information	2
Cost Ordering Information	10
1-Foot Wide Troffers	3–11
Slendex (Recessed) 1′ Wide	3
Troffer Package	9
Plaster Frame for 1-Foot Wide Troffers	10
Spot Boxes for 1-Foot Wide Troffers	10
1-Foot Gridex Troffers for Inverted "T" Grid Systems	11
Aluminum Troffers	11
2-Foot Wide Troffers	3 & 12–16
Slendex (Recessed) 2′ wide	3
Metro Troffers for Inverted "T" Grid Systems	14
Templex Troffer (TEM-Series) with flange	15
Templex Troffer (PAN-Series) without flange	16
Plaster Frame for 2′ wide Troffers	16

1-FOOT WIDE TROFFERS

INDEX OF CATALOG NUMBERS

CAT. NO.	SHIELDING	Page No.
ALT	Baffled (aluminum troffer)	11
FTA	Albalite	8
FTA-PACK	Albalite	9
FTAP	Acrylic Plastic Dish	7
FTCL	Cubex ½″ x ½″ x ½″ Aluminum Louvers	6
FTCS	Corning #70 Glass	9
FTHD	Holophane Controlens® #9033–9034	8
FTHL	Holophane Prismalume Controlens® #6010	8
FTHP	Holophane Controlens® #6014 (Acrylic Plastic Lens)	8
FTHV	Holophane Controlens® #9022	7
FTL	Steel Louvers	6
FTL-PACK	Steel Louvers	9
FTP	Plastic Lucite Refractors	7
FTPD	Polystyrene Plastic Dish	7
FTPL	Plastic Louvers	6
FTR	Ribbed Skytex Glass	9
FTX	Styrotex Plastic	6
FTY	Honeylite #450	9
GXA	Albalite	11
GXAD	Acrylic Plastic Dish	11
GXCL	Cubex ½″ x ½″ x ½″ Aluminum Louvers	11
GXO	Styrotex Plastic	11
GXL	Steel Louvers	11
GXP	Plastic Lucite Refractors	11
GXPD	Polystyrene Plastic Dish	11
GXPL	Plastic Louvers	11
GXR	Ribbed Glass	11
GXS	Corning Pattern #70	11
RSX	Polystyrene dish (Slendex 1′ wide)	3

2-FOOT WIDE TROFFERS

INDEX BY SHIELDING

TYPE OF SHIELDING	Page 14 For Inverted "T" Grid Systems	Page 15 Templex Troffer with flange	Page 16 Templex Troffer without flange
Acrylic Plastic Dish	MET-AD	TEM-AD	PAN-AD
Albalite	MET-A	TEM-A	PAN-A
Corning Pattern #70 Glass	MET-S	TEM-S	PAN-A
Cubex	MET-CL	TEM-CL	PAN-CL
Holophane Prismalume Controlens® #6024	MET-H	TEM-H	TEM-H
Plastic Louvers	MET-PL	TEM-PL	PAN-PL
Polystyrene Plastic Dish	MET-P	TEM-P	PAN-P
Ribbed Skytex Glass	MET-R	TEM-R	TEM-R
Steel Louvers	MET-L	TEM-L	PAN-L
Styrotex Plastic	MET-X	TEM-X	PAN-X
Polystyrene Dish (Slendex 2′ wide)		RSX	Page 3

® The Holophane Company Inc.

CONDITIONS OF SALE

TRANSPORTATION CLAIMS:

Our responsibility for safe delivery ceases when goods have been turned over in good condition to the transportation company. Shipments must be thoroughly checked immediately upon receipt for transportation damage, and if damaged, claims entered at once with carrier.

SHIPMENTS OUTSIDE DISTRIBUTOR'S TRADING AREA:

The company reserves the right to refuse to make direct shipments to destination points outside the area normally serviced by the distributor.

TERMS:

A cash discount of 1% will be allowed on the net amount of invoice dated from the 1st to the 15th inclusive, if paid not later than the 25th of the same month, and on invoices dated from the 16th to the last of the month inclusive, if paid not later than the 10th of the following month. Otherwise, terms are net 30 days from date of invoice.

RETURNS:

Fixtures or parts will be accepted within 6 months of shipping date for return only when authorized by us in writing from the home office at Chelsea, Mass. We will grant permission for the return if the material is new, is currently a listed item, and is received by us in good condition. From the credit to be issued, we will deduct transportation expense both ways, and in addition a minimum service charge of 15% of the invoice value. We will charge for costs incurred in handling, reconditioning, repacking in new cartons and putting the material in saleable condition. Products returned for defects in manufacture or errors in shipment will be accepted at full credit and without service charge. No product will be accepted for return if specially manufactured or specially made in any way to vary from our standard construction or finish.

PRICE CHANGES AND QUOTATIONS:

Prices are subject to change without notice. Distributor stock orders will be billed at prices in effect at time of shipment. Direct shipments to distributors' customers will be billed at prices and conditions as agreed at time order is accepted. All orders and quotations are subject to review and acceptance by the home office at Chelsea, Mass. Prices are subject to increase by the amount of any present or future taxes or increase in taxes upon the manufacture, sale, use or transportation of the herein products imposed by Federal, State, Municipal or other public authorities which the Seller may be required to pay.

DELIVERY CONTINGENCIES:

Delivery of all or any part of an order is contingent on our ability to get supplies and raw materials, and is further limited to the extent that our ability to deliver may be affected by requirements or regulations of the United States Government. All quotations and agreements as to deliveries including the acceptance of all orders and their delivery are subject to all Federal and State Laws, rulings, and regulations, and are also subject to strikes, labor stoppages, casualties, fires and any other causes beyond our control.

GUARANTEE:

Smithcraft fixtures bear the label of the Underwriters' Laboratories, Inc. Fixtures are Union Manufactured and assembled, and bear the label of the I. B. E. W., A. F. of L. Fixtures are tested before shipping, are in good working order, and are guaranteed to be free from defective material and workmanship. A new part will be furnished in exchange for any part in a fixture, which under normal use and service discloses a defect within a reasonable period after date of installation. This guarantee applies only to fixtures sold for use in the United States.

IMPORTANT ORDERING INFORMATION

SLIMLINE BALLASTS: All Slimline units are priced with CBM-CERTIFIED SERIES-SEQUENCE induction type 430 milliampere ballasts by manufacturer of our selection.

WIRING DATA: Fixture are furnished individually wired not including circuit wires. 118-volt, 60 cycle, AC is standard on all fixtures. Where fixtures are listed for six lamps as in "3-42" units, prices are based on the use of three two-lamp ballasts per fixture.

SPECIAL VOLTAGES AND LEAD-LAG BALLASTS: Fixtures for other voltages and cycles, including lead-lag ballasts are available on special order and price. Check Smithcraft representative for added costs.

LAMPS NOT INCLUDED: Fixtures are furnished without lamps. The lamp designations shown under "No. and Type of Lamps" are for convenience when ordering lamps from the Supplier. The color required should be added to these designations.

RADIO INTERFERENCE SUPPRESSORS:

Catalog No.	User Net Price	Contr-Dealer Net Price	
No. 89G635 wired into fixture	$4.88	$4.06	
No. CD105 wired into fixture	1.58	1.31	

FUSES: 2 or 3 ampere wired into fixture for 250 volts or less using HKP fuseholder or for 250–600 volts using HPC-L fuseholder:

Fuseholder and Fuse	User Net Price	Contr-Dealer Net Price	
1 per ballast wired into fixture for 250 volts or less	$.68	$.56	
1 per ballast wired into fixture for 250–600 volts	1.28	1.06	

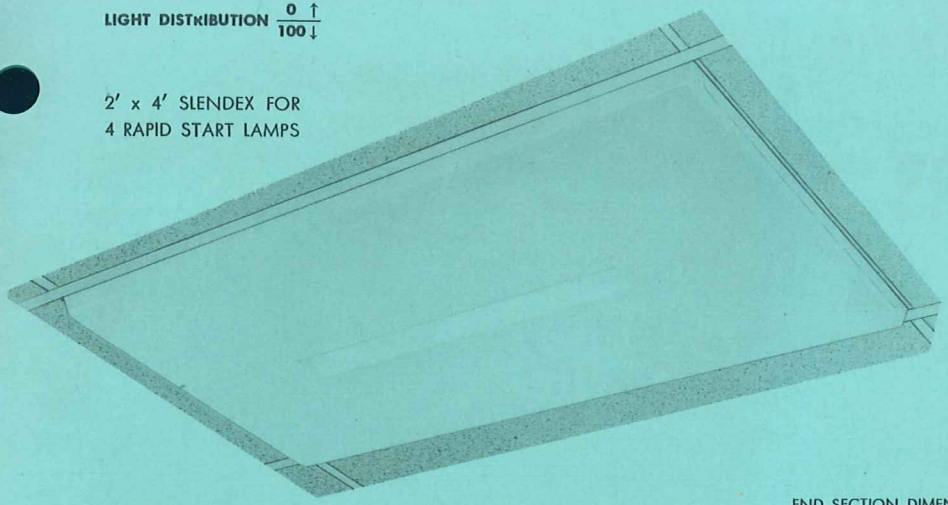
Smithcraft SLENDEX (RECESSED) 1′ and 2′ WIDE

LIGHT DISTRIBUTION $\frac{0\uparrow}{100\downarrow}$

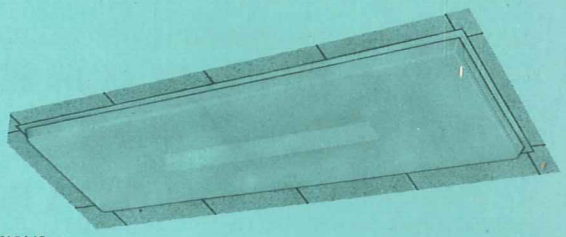
FOR RAPID-START BI-PIN LAMPS

NOTE: *It is important when ordering to supply row information (number of rows and number of units per row) and type of ceiling construction so that necessary fittings will be supplied.*

2′ x 4′ SLENDEX FOR
4 RAPID START LAMPS



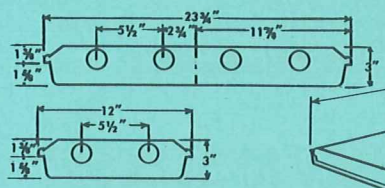
1′ x 4′ SLENDEX FOR
2 RAPID START LAMPS



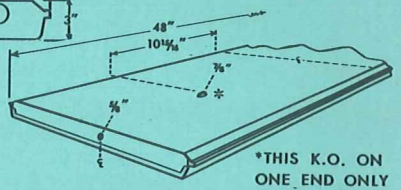
A unique and practical solution to absolute minimum cavity — low ceiling conditions to save on building heights and construction costs. Units recess only 1⅜″ . . . less than the depth of most ceiling supporting members. Eliminates the cost of cutting members. May also be installed in existing ceiling requiring only 1⅜″ in cavity depth with no disturbance of existing ceiling supporting members. Shielded by an extruded and formed polystyrene diffusing panel, surface is cleanly and uniformly lighted with no dark streaks and no light leaks. Panels are of medium impact strength, break resistance and light stability after prolonged use. Require only one man installation. Units go into ceiling flat requiring no extra depth for tilting. Four indicators are turned 90° and the troffer is supported on ceiling members. Four adjusting nuts are then turned for final up and down adjustment. In inverted "T" systems one side of the unit is compressible. Installed quickly and easily in most of today's common ceilings.

SLENDEX UNITS FOR SURFACE MOUNTING ARE ALSO AVAILABLE. (SEE COMMERCIAL AND INDUSTRIAL PRICE CATALOG #220, PAGE 6)

END SECTION DIMENSIONS



SPACING OF KNOCKOUTS,
1′ AND 2′ UNITS



*THIS K.O. ON ONE END ONLY

NOTE: Units listed will cover the great majority of all types of ceiling construction in use today. There may be instances, however, where it is desirable to support troffers from ceiling members (1½″ channel or other) which are positioned more than 1⅝″ above the ceiling line. In these cases special hanger brackets (4 per fixture — Cat. No. SX37) are required on special order. These brackets will support troffers on members which are recessed up to 3¾″ above the ceiling line.

Catalog No.	Special Hanger Bracket	User Net Price	Contr. Dealer Net Price	
SX37	(4 required per fixture)	.75 each	.63 each	

ONE-FOOT WIDE (1′ x 4′) — FOR RAPID-START BI-PIN LAMPS — TWO-FOOT WIDE (2′ x 4′)

FOR EXPOSED INVERTED "T" SYSTEMS SUCH AS EASTERN, CUPPLES, ETC.

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
RSXG2-40	2 F40T12RS	19	$33.00	$27.50	
RSXG4-40	4 F40T12RS	32	$59.40	$49.50	

FOR METAL PAN CEILINGS SUPPORTED BY T-BARS

RSXT2-40	2 F40T12RS	20	33.75	28.13	
RSXT4-40	4 F40T12RS	33	59.85	49.88	

FOR SOFT TILE CEILINGS SUPPORTED BY Z-SPLINES, H-SPLINES, ETC. (FLANGED SLENDEX UNITS)

RSXF2-40	2 F40T12RS	20	34.88	29.06	
RSXF4-40	4 F40T12RS	33	61.50	51.25	

FOR STANDARD PLASTER CEILINGS UP TO ⅝″ THICK (FLANGED SLENDEX UNITS) SUPPLIED WITH NECESSARY PLASTER FRAME*

RSXP2-40	2 F40T12RS	26	39.00	32.50	
RSXP4-40	4 F40T12RS	44	66.00	55.00	

*For acoustical plaster ceilings up to 1¼″ thick specify "acoustical plaster frame" on order and add per linear foot of troffer.

A2010	1′ wide units	.26	.21	per linear foot of troffer
A2011	2′ wide units	.38	.31	per linear foot of troffer

Adapts to most of today's common types of ceiling construction.

Plastic panel releases and closes quickly and efficiently with simple finger action.

Recesses only 1⅜″ — less than the depth of most ceiling members . . . eliminates cost of cutting members.



Architecturally clean, uniformly lighted plastic diffusing panel — interesting triangular shaped inverted pattern in center eliminates dark center streak.

No light leaks.

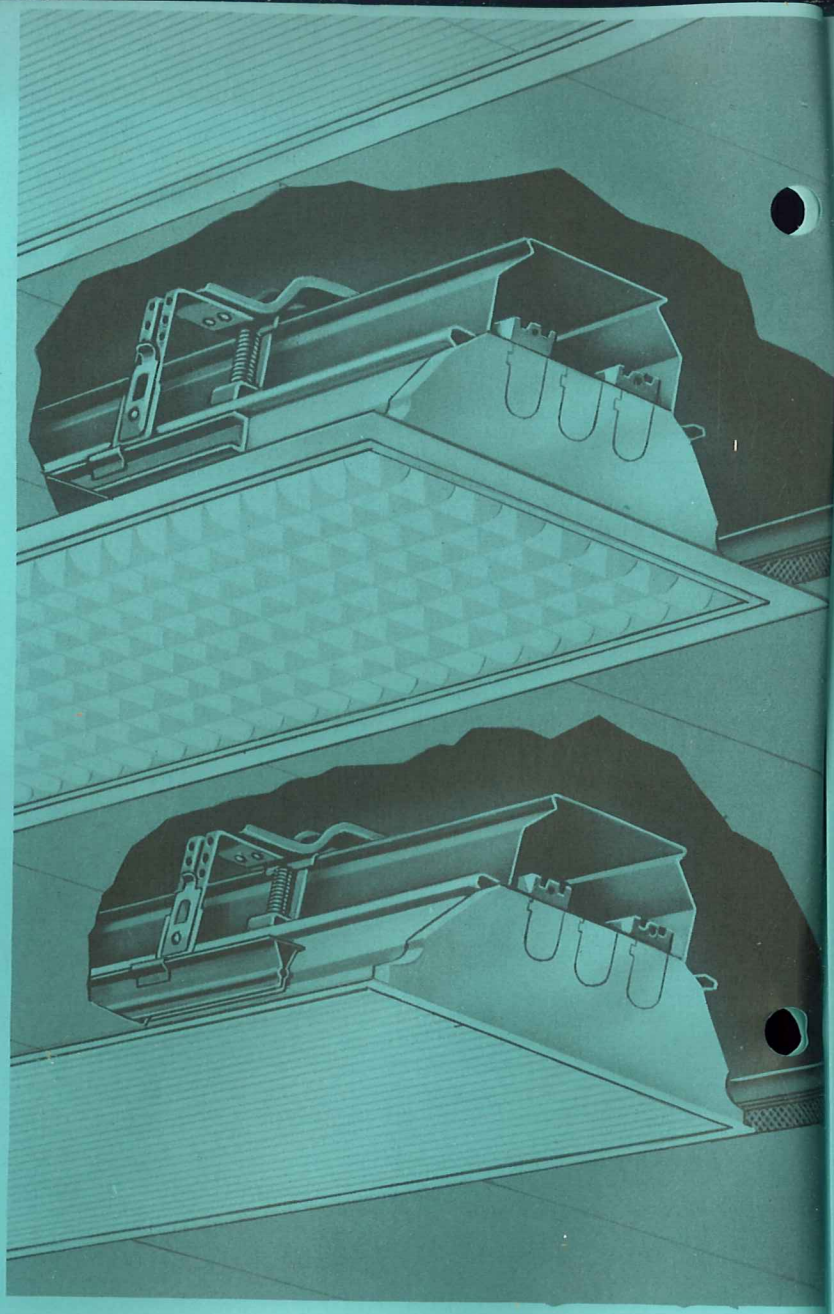
One-man, simple, fast installation. Goes in flat . . . requires no cavity depth for tilting.

Plastic panel may be changed to hinge on opposite side of fixture, if required.

May be installed easily in existing ceilings, requiring only 1⅜″ in cavity depth and no disturbance of existing ceiling supporting members.

SMITHCRAFT TROFFERS

are easily adaptable to today's most common ceilings. They are available with a wide variety of shielding media.



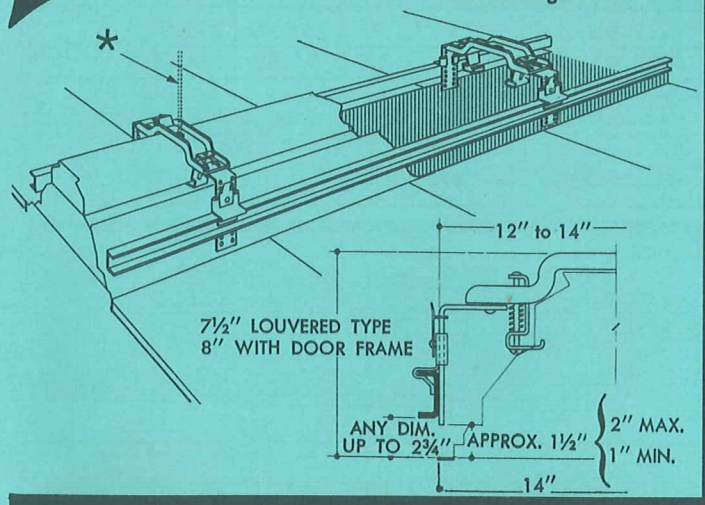
12 FEATURES OF THE SMITHCRAFT TROFFER

1. No visible catches, latches, hinges, bolts or screws.
2. Door frame containing glass, lens or plastic opens or closes by simple pressure upwards with the new exclusive Smithcraft Pressure-Catch. (Patent #2,794,664.) To remove door frame simply lift off without tools or loose parts.
3. In louvered units, louvers hinge from either side on Smithcraft's patented Duo-Cam Hangers; (Patent #2, 559, 640) close by simple pressure upwards and are removed without tools or loose parts.
4. Architecturally precise modules for exactly 12" openings — perfectly straight and trim whether mounted individually or in continuous rows.
5. No light leaks.
6. Glass frame is slim for better appearance and better efficiency.
7. Wide selection of shielding media, spot boxes, pattern lighting, etc., for flexibility of design.
8. Troffers are catalogued with integral trim flange. Flangless troffers may be supplied for Metal Pan and Plaster Ceilings.
9. Adaptability to today's ceilings is virtually universal. Simple clips adapt troffers to all of today's most common ceilings; simple provision for adaptability to all others. The new Smithcraft Troffer-in-plaster frame method assures perfectly square openings.
10. From start to finish only tool required is a screwdriver.
11. No exact positioning required; maximum simple adjustability wherever you need it with the new Smithcraft Yoke Aligner-Hanger Assembly. (Patent #2,597,875, other patents pending)
12. Speed, ease and economy of installation.

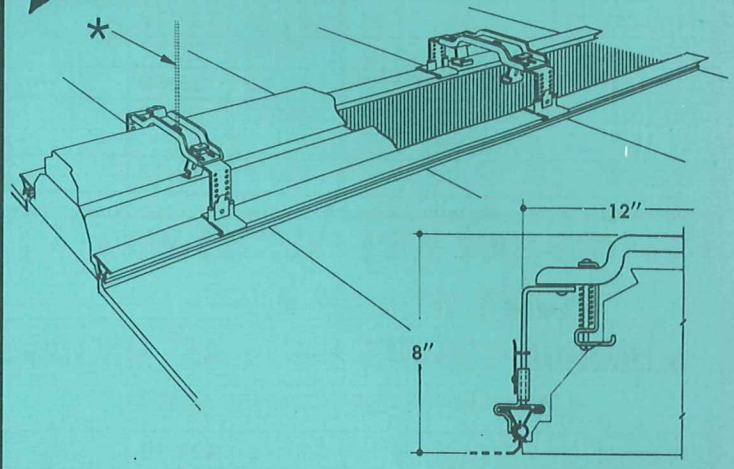
Smithcraft TROFFERS ARE ARCHITECTURALLY ADAPTABLE

Adaptability of the Smithcraft Troffer to today's ceilings is virtually universal. Shown on these pages are the general classifications of ceilings in principal use today.

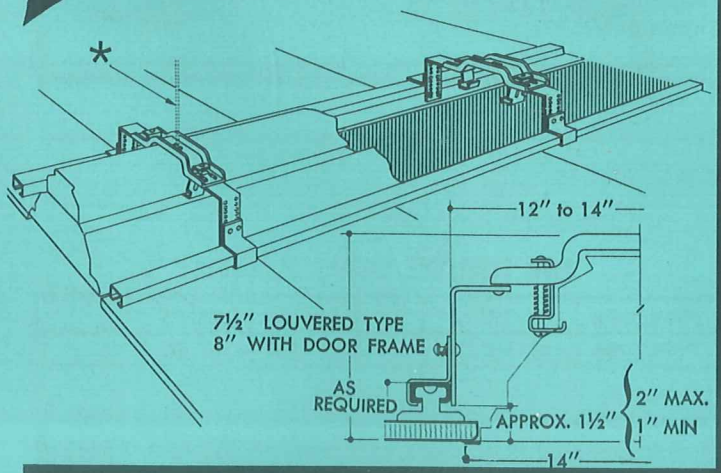
1 1½" CHANNEL Supporting Acoustical and Plaster Ceilings



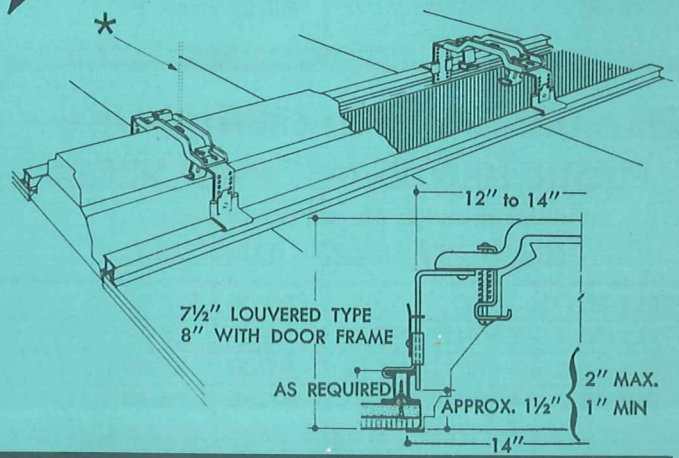
2 T-BAR Suspension for Metal Pan Acoustical Ceilings



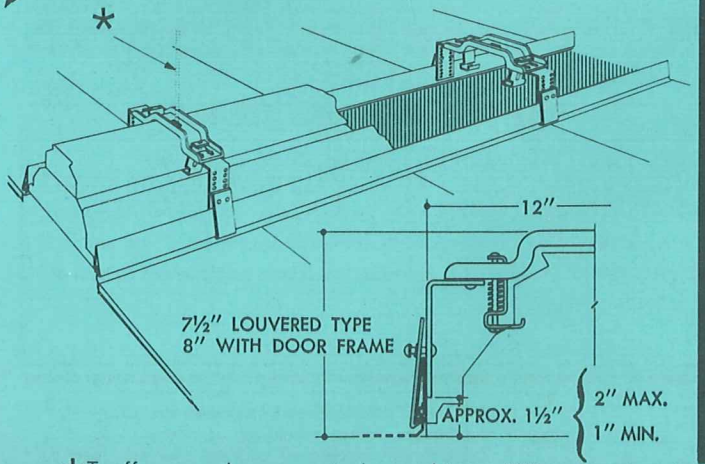
3 SECURITEE Type Ceiling



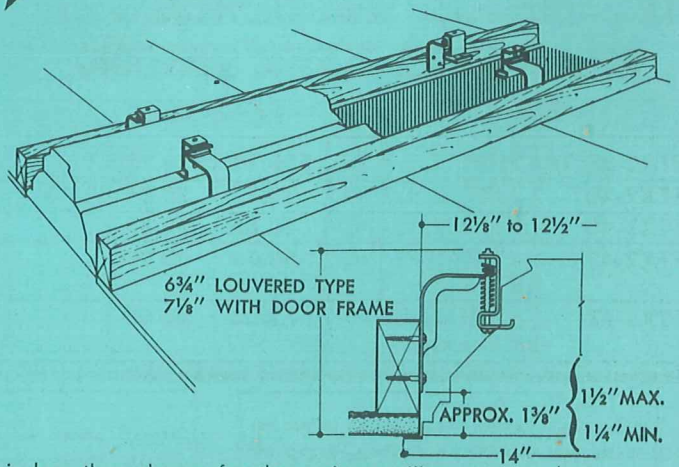
4 POMEROY Type Ceiling



5 SIMPLEX Type Ceiling



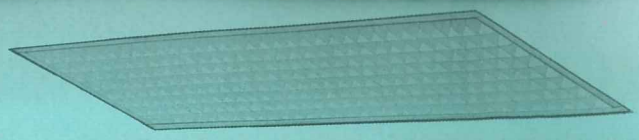
6 Ceilings supported by WOOD FRAMING



*Troffers may be supported by rod from structure above

Note: Where cavity depth is less than shown for the various ceiling systems above, aligner hangers used in number 6 can be substituted.

FTL ONE-FOOT WIDE TROFFERS WITH STEEL LOUVERS (40° x 40° SHIELDING)



FOR BI-PIN LAMPS — RAPID-START

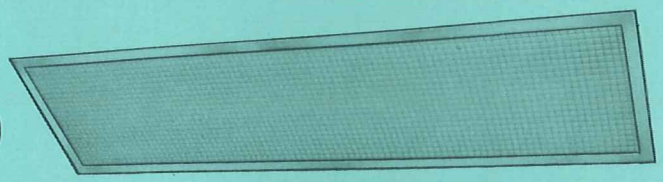
Troffer with Integral Trim Flange Cat. No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
FTL2-20/TS	2 F20T12	22	$26.63	$22.19	
FTL2-40	2 F40T12/RS	37	32.78	27.31	
FTL3-40	3 F40T12/RS	42	42.45	35.38	
FTL2-42	4 F40T12/RS 8′ Housing	73	62.70	52.25	
FTL3-42	6 F40T12/RS	81	75.75	63.13	

FOR SLIMLINE LAMPS (430-MA)

Troffer with Integral Trim Flange Cat. No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
FTL2-96	2 F96T12	78	$58.73	$48.94	
FTL3-96	3 F96T12	87	77.63	64.69	

Steel louvers are permanently welded at each intersection by an exclusive Smithcraft process. Hinged on Smithcraft patented Duo-Cam Hangers.

FTCL ONE-FOOT WIDE TROFFERS WITH CUBEX ½″ x ½″ x ½″ ALUMINUM LOUVERS (45° x 45° SHIELDING)



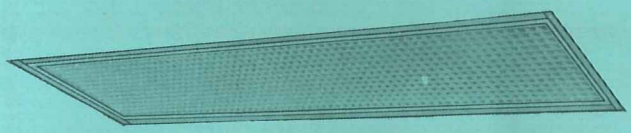
FOR BI-PIN LAMPS — RAPID-START

FTCL2-20/TS	2 F20T12	20	$27.00	$22.50	
FTCL2-40	2 F40T12/RS	33	36.75	30.63	
FTCL3-40	3 F40T12/RS	38	47.25	39.38	
FTCL2-42	4 F40T12/RS 8′ Housing	70	69.00	57.50	
FTCL3-42	6 F40T12/RS 8′ Housing	77	80.63	67.19	

Cubex ½″ x ½″ x ½″ aluminum louvers are light-weight, attractive, easy to handle. Finished in low-bright non-specular baked white enamel. Manufactured by an exclusive Smithcraft process (patents pending) louvers are permanently locked at each intersection. (Available for 4′ Rapid-Start lamps only.)

FTPL ONE-FOOT WIDE TROFFERS WITH PLASTIC LOUVERS (45° x 45° SHIELDING)

(contained in hinged door frame)



FOR BI-PIN LAMPS — RAPID-START

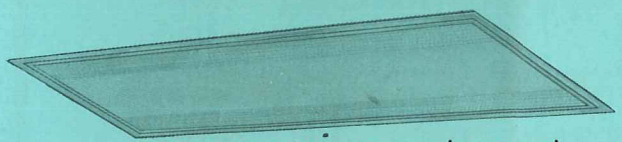
FTPL2-20/TS	2 F20T12	20	$30.00	$25.00	
FTPL2-40	2 F40T12/RS	33	34 50	28.75	
FTPL3-40	3 F40T12/RS	38	45.00	37.50	
FTPL2-42	4 F40T12/RS 8′ Housing	70	67.65	56.38	
FTPL3-42	6 F40T12/RS 8′ Housing	77	78.75	65.63	

FOR SLIMLINE LAMPS (430-MA)

FTPL2-96	2 F96T12	73	$64.50	$53.75	
FTPL3-96	3 F96T12	82	81.00	67.50	

Plastic louvers provide shadowless illumination. Strong, light-weight and easy to handle. Contained in hinged door frame.

FTX ONE-FOOT WIDE TROFFERS WITH STYROTEX PLASTIC SHIELDING



FOR BI-PIN LAMPS — RAPID-START

FTX2-20/TS	2 F20T12	25	$26.10	$21.75	
FTX2-40	2 F40T12/RS	43	31.13	25.94	
FTX3-40	3 F40T12/RS	47	40.65	33.88	
FTX2-42	4 F40T12/RS 8′ Housing	86	60.00	50.00	
FTX3-42	6 F40T12/RS 8′ Housing	93	72.00	60.00	

FOR SLIMLINE LAMPS (430-MA)

FTX2-96	2 F96T12	90	$57.00	$47.50	
FTX3-96	3 F96T12	98	72.00	60.00	

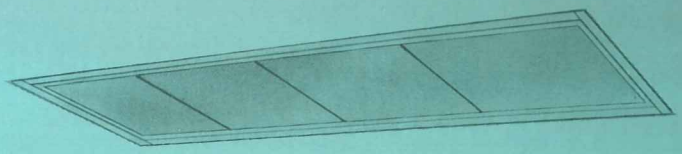
A new shielding medium of clear, light-stabilized polystyrene. Light weight, easy to handle, modern, attractive ribbed pattern.

Flangeless troffers may be supplied for Metal Pan and Plaster Ceilings. Leave off "F" from catalog prefix when ordering. Prices are the same as shown on this page.

Troffer prices include necessary Yoke-Aligner Hanger Assemblies for hanging, and necessary connectors and end caps.

Costs of Smithcraft troffers are easy to figure. Select shielding, multiply costs of unit by number of troffers, and you have the cost. No need to figure the cost of hangers, end-caps, and connectors separately.

FTP
ONE-FOOT WIDE TROFFERS WITH PLASTIC LUCITE REFRACTORS



FOR BI-PIN LAMPS — RAPID-START

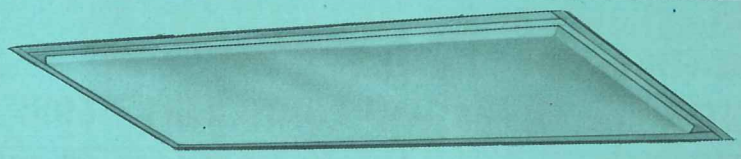
Troffer with Integral Trim Flange Cat. No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
FTP2-20/TS	2 F20T12	23	$33.75	$28.13	
FTP2-40	2 F40T12/RS	36	39.38	32.81	
FTP3-40	3 F40T12/RS	42	49.05	40.88	
FTP2-42	4 F40T12/RS 8′ Housing	82	76.28	63.56	
FTP3-42	6 F40T12/RS 8′ Housing	90	88.50	73.75	

FOR SLIMLINE LAMPS (430-MA)

Troffer with Integral Trim Flange Cat. No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
FTP2-96	2 F96T12	75	$73.13	$60.94	
FTP3-96	3 F96T12	83	88.20	73.50	

Light weight, plastic lucite refractors provide glare-free illumination and carefully controlled light distribution. No discoloration.

FTPD
ONE-FOOT WIDE TROFFERS WITH POLYSTYRENE PLASTIC DISH

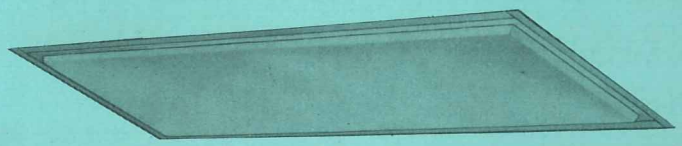


FTPD2-40	2 F40T12/RS	32	$34.50	$28.75	
FTPD3-40	3 F40T12/RS	38	43.50	36.25	
FTPD2-42	4 F40T12/RS 8′ Housing	66	64.50	53.75	
FTPD3-42	6 F40T12/RS 8′ Housing	75	78.00	65.00	

FTPD2-96	2 F96T12	72	$64.50	$53.75	
FTPD3-96	3 F96T12	80	79.50	66.25	

One-piece polystyrene plastic dish contained in hinged door frame, high impact strength . . . clean, modern, white and trim. Provides break resistance and light stability after prolonged use.

FTAP
ONE-FOOT WIDE TROFFERS WITH ACRYLIC PLASTIC DISH

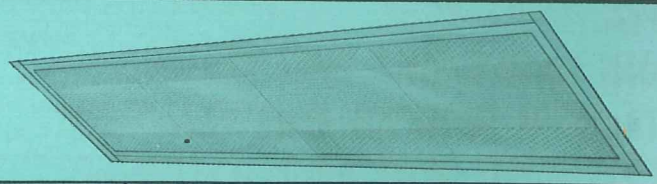


FTAP2-40	2 F40T12/RS	34	$41.25	$34.38	
FTAP3-40	3 F40T12/RS	40	51.00	42.50	
FTAP2-42	4 F40T12/RS 8′ Housing	67	79.50	66.25	
FTAP3-42	6 F40T12/RS 8′ Housing	75	91.50	76.25	

FTAP2-96	2 F96T12	74	$76.13	$63.44	
FTAP3-96	3 F96T12	82	90.38	75.31	

One-piece acrylic plastic dish contained in a hinged door frame provides maximum light transmission with excellent diffusion and lamp hiding power. Color stable, resists breakage, easy to maintain.

FTHV
ONE-FOOT WIDE TROFFER WITH HOLOPHANE CONTROLENS® #9022



FTHV2-20/TS	2 F20T12	28	$31.50	$26.25	
FTHV2-40	2 F40T12/RS	47	40.65	33.88	
FTHV3-40	3 F40T12/RS	52	50.25	41.88	
FTHV2-42	4 F40T12/RS 8′ Housing	97	79.13	65.94	
FTHV3-42	6 F40T12/RS 8′ Housing	105	91.95	76.63	

FTHV2-96	2 F96T12	97	$79.13	$65.94	
FTHV3-96	3 F96T12	106	93.68	78.06	

Holophane Controlens® #9022 control light lengthwise as well as crosswise. Provides pleasing uniformity of illumination. Lens is made of crystal, non-specular glass.

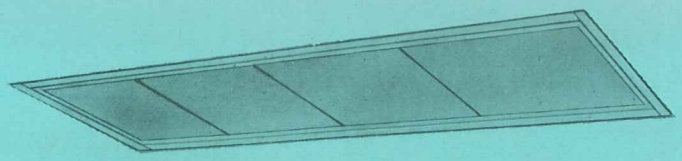
® Holophane Company Inc.

20-watt Troffers are furnished with Normal Power Factor Trigger-Start Ballasts.

Flangeless troffers may be supplied for Metal Pan and Plaster Ceilings. Leave off "F" from catalog prefix when ordering. Prices are the same as shown on this page.

Troffers are available for single 40-watt Rapid-Start Lamps and for single 8′ T-12 Slimline Lamps.

FTHP
ONE-FOOT WIDE TROFFERS WITH HOLOPHANE CONTROLENS® #6014 ACRYLIC PLASTIC LENS



FOR BI-PINS LAMPS — RAPID-START

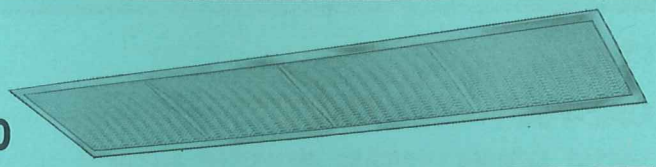
Troffer with Integral Trim Flange Cat. No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
FTHP2-20/TS	2 F20T12	23	$35.63	$29.69	
FTHP2-40	2 F40T12/RS	36	49.13	40.94	
FTHP3-40	3 F40T12/RS	42	58.50	48.75	
FTHP2-42	4 F40T12/RS 8′ Housing	82	94.50	78.75	
FTHP3-42	6 F40T12/RS 8′ Housing	90	108.00	90.00	

FOR SLIMLINE LAMPS (430-MA)

Troffer with Integral Trim Flange Cat. No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
FTHP2-96	2 F96T12	75	$91.13	$75.94	
FTHP3-96	3 F96T12	83	109.50	91.25	

Manufactured of acrylic resin plastic, Holophane Controlens® #6014 provide carefully controlled light distribution in all directions. Light weight . . . no discoloration.

FTHL
ONE-FOOT WIDE TROFFERS WITH HOLOPHANE PRISMALUME CONTROLENS® #6010

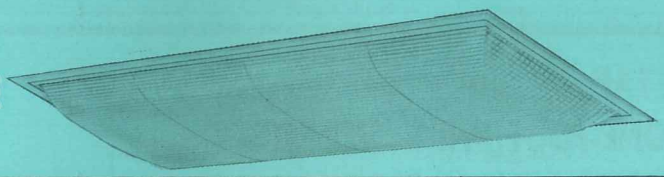


FTHL2-40	2 F40T12/RS	50	$48.00	$40.00	
FTHL3-40	3 F40T12/RS	54	57.38	47.81	
FTHL2-42	4 F40T12/RS 8′ Housing	98	93.00	77.50	
FTHL3-42	6 F40T12/RS 8′ Housing	130	105.75	88.13	

FTHL2-96	2 F96T12	98	$91.13	$75.94	
FTHL3-96	3 F96T12	106	106.13	88.44	

Light-weight, shatterproof Holophane Prismalume Controlens® #6010 is a one-piece 4-foot length of crystal acrylic plastic. Provides maximum illumination with no discoloration — no sag. Distinctive concave shape.

FTHD
ONE-FOOT WIDE TROFFERS WITH HOLOPHANE DISHED CONTROLENS® #9033-9034

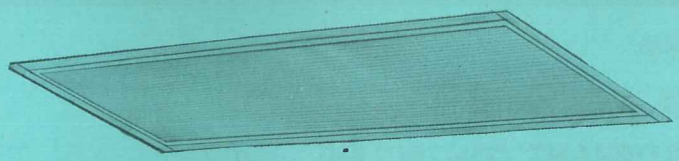


FTHD2-20/TS	2 F20T12	31	$38.10	$31.75	
FTHD2-40	2 F40T12/RS	50	53.63	44.69	
FTHD3-40	3 F40T12/RS	54	63.38	52.81	
FTHD2-42	4 F40T12/RS 8′ Housing	98	101.93	84.94	
FTHD3-42	6 F40T12/RS 8′ Housing	130	116.63	97.19	

FTHD2-96	2 F96T12	98	$97.50	$81.25	
FTHD3-96	3 F96T12	106	117.00	97.50	

Carefully molded Holophane Controlens® #9033-9034 are low-bright and glare-free. Feature graceful curved contour and return end wall construction. Longitudinal as well as lateral light control.

FTA
ONE-FOOT WIDE TROFFERS WITH ALBALITE "66"



FTA2-20/TS	2 F20T12	25	$28.13	$23.44	
FTA2-40	2 F40T12/RS	43	34.50	28.75	
FTA3-40	3 F40T12/RS	47	44.25	36.88	
FTA2-42	4 F40T12/RS 8′ Housing	86	66.00	55.00	
FTA3-42	6 F40T12/RS 8′ Housing	93	79.05	65.88	

FTA2-96	2 F96T12	90	$63.00	$52.50	
FTA3-96	3 F96T12	98	78.75	65.63	

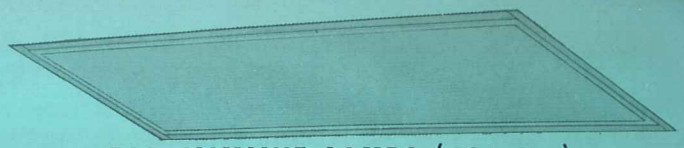
A light opal glass, Albalite presents a pleasing appearance which will enhance and harmonize with its surroundings. High light transmission and low light absorption.

® Holophane Company Inc.

Flangeless troffers may be supplied for Metal Pan and Plaster Ceilings. Leave off "F" from catalog prefix when ordering. Prices are the same as shown on this page.

Troffers can be furnished with Curved Albalite or Corning Pattern #72 Dish. Prices on application.

FTR ONE-FOOT WIDE TROFFERS WITH RIBBED SKYTEX GLASS



BI-PIN LAMPS — RAPID-START

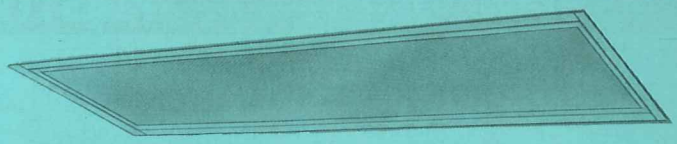
Troffer with Integral Trim Flange Cat. No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
FTR2-20/TS	2 F20T12	25	$27.00	$22.50	
FTR2-40	2 F40T12/RS	43	31.88	26.56	
FTR3-40	3 F40T12/RS	47	41.63	34.69	
FTR2-42	4 F40T12/RS 8′ Housing	86	62.10	51.75	
FTR3-42	6 F40T12/RS 8′ Housing	93	73.35	61.13	

FOR SLIMLINE LAMPS (430-MA)

Troffer with Integral Trim Flange Cat. No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
FTR2-96	2 F96T12	90	$60.38	$50.31	
FTR3-96	3 F96T12	98	75.90	63.25	

Provides good light diffusion and high light transmission, ribbed pattern, 8 ribs to the inch.

FTCS ONE-FOOT WIDE TROFFERS WITH CORNING #70 GLASS

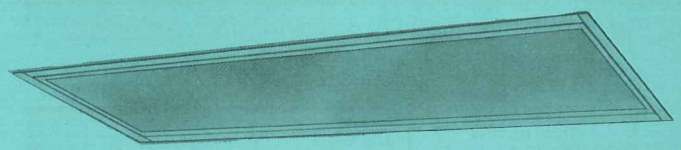


FTCS2-20/TS	2 F20T12	25	$30.53	$25.44	
FTCS2-40	2 F40T12/RS	43	38.25	31.88	
FTCS3-40	3 F40T12/RS	47	47.85	39.88	
FTCS2-42	4 F40T12/RS 8′ Housing	86	74.48	62.06	
FTCS3-42	6 F40T12/RS 8′ Housing	93	86.25	71.88	

FTCS2-96	2 F96T12	90	$70.88	$59.06	
FTCS3-96	3 F96T12	98	86.25	71.88	

A prismatic crystal lens panel, Corning Pattern #70 glass provides even illumination distribution and restricts brightness to comfortable levels. Freedom from warpage, discoloration, and surface deterioration.

FTY ONE-FOOT WIDE TROFFERS WITH HONEYLITE #450 (PROVIDING 45° x 45° SHIELDING)



FTY2-20/TS	2 F20T12	19	$32.25	$26.88	
FTY2-40	2 F40T12/RS	31	39.30	32.75	
FTY3-40	3 F40T12/RS	36	49.05	40.88	
FTY2-42	4 F40T12/RS 8′ Housing	66	76.05	63.38	
FTY3-42	6 F40T12/RS 8′ Housing	73	88.35	73.63	

FTY2-96	2 F96T12	69	$72.98	$60.81	
FTY3-96	3 F96T12	78	88.28	73.56	

Aluminum honeycomb panels composed of ¼″ hexagonal cells cut to a thickness or depth of 0.235 inches to provide 45° x 45° cut-off. Framed on all four sides with aluminum channel ¼″ wide and is contained within a hinged door frame.

FTA & FTL PACK TROFFER PACKAGE FTA & FTL PACK

TROFFER PACKAGE enables dealers to stock complete troffer units for over-the-counter sales. Contains 2 Yoke-Aligner Hanger Assemblies and all parts normally required for installations in wood-framed ceiling openings or 1½″ steel channel framed openings. Individual or continuous mounting. Troffers are with integral trim flange. Length: 48″, Width: 11 31/32″.

FTL-PACK: One troffer with integral trim flange for two 40-watt Rapid-Start Bi-Pin Lamps ETL-certified ballast. **Hinged 4′ egg-crate louver.**

FTA-PACK: One troffer with integral trim flange for two 40-watt Rapid-Start Bi-Pin Lamps; ETL-certified ballast. **4′ section of Albalite 66.**

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
FTL2-40PACK	2 F40T12/RS	37	$33.53	$27.94	
FTA2-40PACK	2 F40T12/RS	43	35.25	29.38	

Flangeless troffers may be supplied for Metal Pan and Plaster Ceilings. Leave off "F" from catalog prefix when ordering. Prices are the same as shown on this page.

Troffer Prices include necessary Yoke-Aligner Hanger Assemblies for hanging, and necessary connectors and end-caps.

Costs of Smithcraft Troffers are easy to figure. Select shielding, multiply costs of unit by number of troffers, and you have the cost. No need to figure cost of hangers, end-caps, and connectors separately.

20-watt Troffers are furnished with the normal power factor ballasts.

Troffers are available for single 40-watt Rapid-Start Lamps and for single 8′ T-12 Slimline lamps.

ORDERING INFORMATION

COSTS OF SMITHCRAFT TROFFERS ARE SIMPLE TO FIGURE

Smithcraft Troffers are simple to figure. The total cost of an installation is easy to figure. Select shielding desired, and refer to proper table on preceding pages. Simply multiply the cost of the desired unit by the number of troffers required and you have the answer.
It is not necessary to figure the cost of hangers, end caps, and connectors separately. ALL THESE ACCESSORIES ARE INCLUDED IN THE COST.

1. ORDERING SMITHCRAFT TROFFERS. Specify catalog number of troffer. Specify ceiling construction, cavity depth, and how troffer is framed. Specify whether for individual or continuous row mounting. If continuous row, specify number and length of rows. With this information we can furnish you with proper fittings (end caps, connectors, Yoke-Aligner Hangers, etc.). ALL NORMAL ACCESSORIES FOR INDIVIDUAL AND CONTINUOUS ROW MOUNTING ARE SUPPLIED AT NO ADDITIONAL COST WHEN FULL ORDERING INFORMATION IS PROVIDED.

2. 20-Watt troffers are furnished with Normal Power Factor Trigger-Start Ballasts.

3. One-lamp troffers are available with all shieldings for 8′ Slimline and Rapid-Start lamps as listed on the preceding pages. (Use same prices as listed for 2-lamp troffers for shieldings desired.)

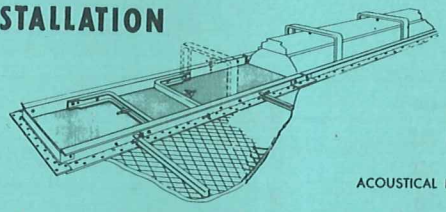
4. Flangeless troffers may be supplied for Metal Pan and Plaster Ceilings. Leave off "F" from catalog prefix when ordering. Prices are the same as shown for troffers with Integral Trim Flange on preceding pages.

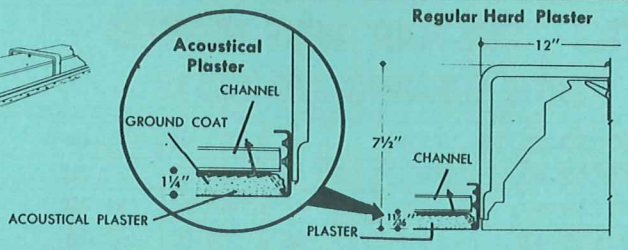
5. Smithcraft troffers are bulk packed.

PLASTER FRAME

SMITHCRAFT PLASTER FRAME is shipped ASSEMBLED READY FOR INSTALLATION

The new troffer-in-plaster frame method assures perfectly square plaster frame openings. Squaring devices become mounting brackets when raised 90°.





PLASTER FRAME — Recommended for use with new plaster ceilings. Eliminates expense of building framing at job. Assures troffer alignment in rows or patterns. Be sure to specify on order that plaster frame is required. For pattern arrangements with the use of plaster frames, special plaster frame is required for each right angle corner of pattern at additional cost. See below.

PLASTER FRAME (For plaster up to 5/8″ thick)

Catalog No.	User Net Price	Contr-Dealer Net Price	
A2006	$1.13	$.94	per linear foot of troffer

PLASTER FRAME (For plaster up to 1¼″ thick)

Catalog No.	User Net Price	Contr-Dealer Net Price	
A2009	$1.35	$1.13	per linear foot of troffer

PLASTER FRAME PATTERN ARRANGEMENTS

For Pattern Arrangements with the use of Plaster Frames, supply rough dimensional sketch of pattern desired. Special Plaster Frame is required for each right angle corner of pattern at additional cost

PLASTER FRAME Pattern Arrangements

Catalog No.	User Net Price	Contr-Dealer Net Price	
A2006C	$6.00	$5.00	per each right angle corner of pattern

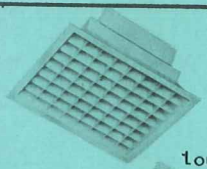
Pattern Arrangements with Integral Trim Flange — are possible for "T", "L", and sections in the form of a cross. Send sketch of pattern and troffers will be furnished ready to insure proper alignment at job.

Catalog No.	User Net Price	Contr-Dealer Net Price	
PTF	$3.90	$3.25	Cost per intersection

SPOT BOXES

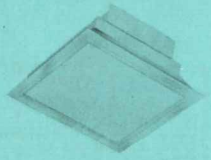
SPOT BOX PLASTER FRAME

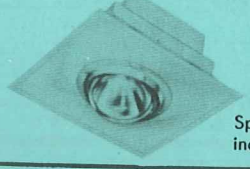
Catalog No.	User Net Price	Contr-Dealer Net Price	
A2006-S	$3.00	$2.50	Add per each spot box



Spot boxes with Reglex glass. (Also available with Albalite "99" and with Holophane Controlens.)®

Louvered spot box





Spot boxes with adjustable incandescent spotlight.

Spot boxes may be supplied for individual mounting, end of row mounting, cross patterns, T-patterns, intermediate in continuous rows and for L-shaped corner patterns. Specify on order.

SMITHCRAFT RECESSED SPOT BOXES
Efficient recessed sources of accent lighting

Available with integral trim flange or flangeless at prices shown below. Specify on order.

Cat. No.	Type	User Net Price	Contr-Dealer Net Price	
SBLC	Louvered for 22-watt Circline	$22.73	$18.94	
SBAC	Albalite 99 for 22-watt Circline	24.38	20.31	
SBRC	Reglex for 22-watt Circline	24.38	20.31	
SBDG	Adjustable Spotlight for Par-38 and Par-46 side prong spot or flood lamps	16.28	13.56	
SBHI	Accent Lighting with Holophane Controlens® for 150-watt, PS-25 lamp	19.50	16.25	

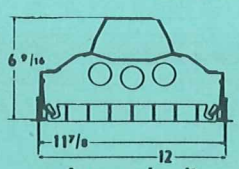
® Holophane Company Inc.

GX Smithcraft ONE-FOOT WIDE GRIDEX TROFFERS GX

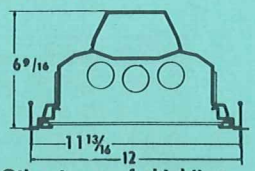
LAY-IN TROFFER FOR USE IN INVERTED "T" GRID TYPE SUSPENDED CEILINGS

Smithcraft GRIDEX Troffers, designed for use with inverted "T"-grid type suspended ceilings consisting of interlocked tees, are available in 4-foot lengths for 2 and 3 Rapid-Start lamps. This type of lighting is extremely versatile and allows wide freedom of design; troffers may be moved after installation to meet changing requirements. Easily installed from below by tilting and placing in position on inverted T-bars. In louvered units, louvers hinge from either side of Smithcraft's patented Duo-Cam hangers. Other types of shielding are contained in door frames; doors open or close by simple pressure upwards.

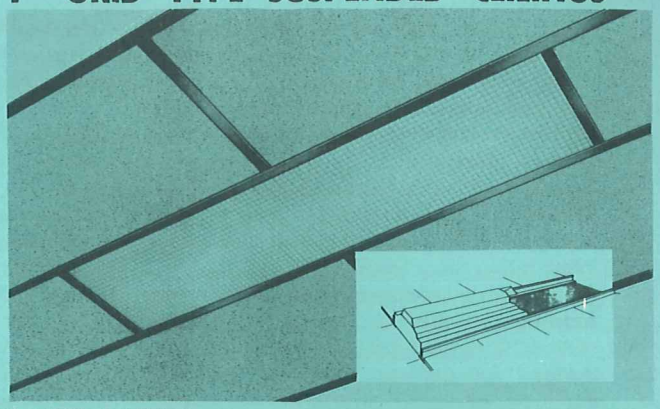
END SECTION DIMENSIONS



Louvered units



Other types of shielding



FOR RAPID-START BI-PIN LAMPS

STEEL LOUVERS WITH DUO CAM HANGERS PROVIDING 40° x 40° SHIELDING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
GXL2-40	2 F40T12RS	34	$31.43	$26.19	
GXL3-40	3 F40T12RS	39	41.85	34.88	

CUBEX ½" x ½" x ½" ALUMINUM LOUVERS

GXCL2-40	2 F40T12RS	30	$43.50	$36.25	
GXCL3-40	3 F40T12RS	34	50.78	42.31	

PLASTIC LOUVERS PROVIDING 45° x 45° SHIELDING

GXPL2-40	2 F40T12RS	32	$33.90	$28.25	
GXPL3-40	3 F40T12RS	38	43.88	36.56	

STYROTEX PLASTIC SHIELDING

GXO2-40	2 F40T12RS	32	$31.13	$25.94	
GXO3-40	3 F40T12RS	38	40.65	33.88	

ACRYLIC PLASTIC DISH

GXAD2-40	2 F40T12RS	34	$40.88	$34.06	
GXAD3-40	3 F40T12RS	40	51.00	42.50	

POLYSTYRENE PLASTIC DISH

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
GXPD2-40	2 F40T12RS	30	$33.00	$27.50	
GXPD3-40	3 F40T12RS	36	42.38	35.31	

PLASTIC LUCITE REFRACTORS

GXP2-40	2 F40T12RS	34	$39.30	$32.75	
GXP3-40	3 F40T12RS	40	49.05	40.88	

CORNING PATTERN #70 SHIELDING

GXS2-40	2 F40T12RS	37	$38.25	$31.88	
GXS3-40	3 F40T12RS	43	47.93	39.94	

ALBALITE "66" GLASS SHIELDING

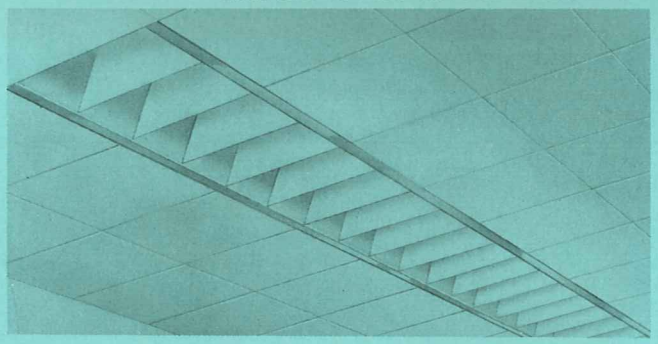
GXA2-40	2 F40T12RS	37	$34.13	$28.44	
GXA3-40	3 F40T12RS	43	43.50	36.25	

RIBBED SKYTEX GLASS

GXR2-40	2 F40T12RS	37	$32.03	$26.69	
GXR3-40	3 F40T12RS	43	41.40	34.50	

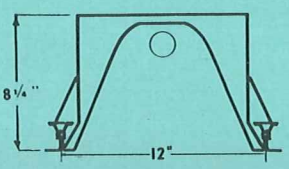
ALT Smithcraft ALUMINUM TROFFERS ALT

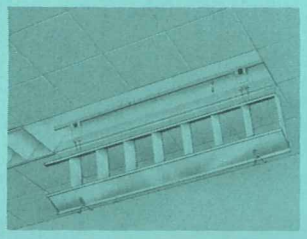
ONE-LIGHT ALUMINUM TROFFER FOR RAPID-START BI-PIN IN 4' AND 8' UNITS



Controlled comfortable recessed lighting at its finest. The anodized aluminum parabolic reflecting surfaces of the one-light aluminum troffer furnish a high degree of control resulting in high level lighting with low-bright comfort. Shielding is 45° x 45°. Architecturally clean because there are no interruptions or end-of-fixture cross-members in continuous rows. Smithcraft Aluminum Troffers are for metal-pan ceilings supported by T-bars. Easy to Maintain. Baffles on 6" centers are joined together in a one-piece assembly for every 4' of troffer. Baffle assemblies hinge from either side; easily removed for cleaning by simple finger action.

END SECTION DIMENSIONS
For metal pan ceilings supported by T bars.





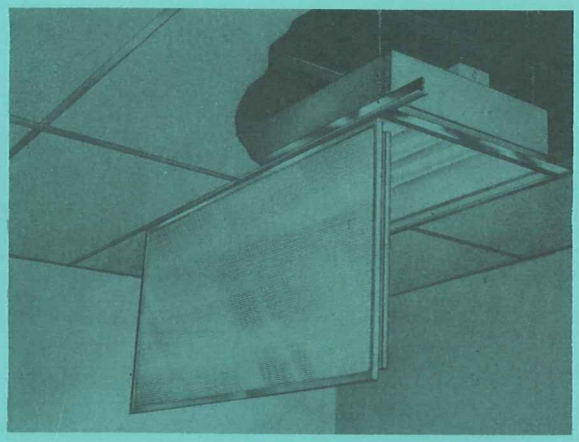
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
ALT1-40	1 F40T12RS	35	$41.63	$34.69	
ALT1-42	2 F40T12RS (8' Housing using one two-lamp ballast)	58	72.38	60.31	

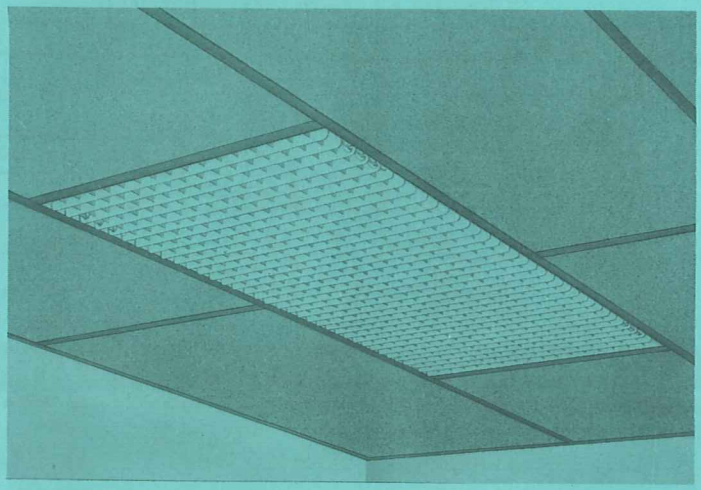
8 SMITHCRAFT 2-FOOT WIDE TROFFER FEATURES

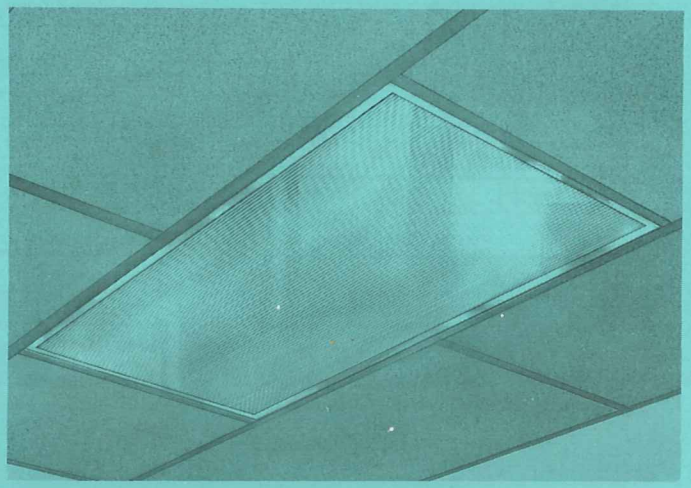
1. Great flexibility of design . . . wide variety of patterns may be created from standard units.
2. Wide selection of shielding media . . . steel or plastic louvers, — glass, plastic dish, etc. in hinged door frames.
3. No visible catches, latches, hinges, bolts or screws.
4. Modern, trim, clean appearance, free from light leaks or blemishes. Glass shielding has clean expanse without any interrupting cross members.
5. Architecturally adaptable to today's most common ceiling conditions — METRO TROFFERS (without flange) for inverted "T" grid type systems — TEMPLEX TROFFERS (with flange) for ceilings supported by 1½" steel channel, Pomeroy or other structural members, in wood-framed openings and in plaster frame. TEMPLEX TROFFERS (without flange) for Metal-Pan ceilings supported by T-bars and for plaster frame.
6. Door frame containing glass, lens, or plastic opens or closes by simple pressure upwards. To remove door for cleaning or maintenance, door simply lifts off without tools or loose parts.
7. In steel louvered units, louvers provide 30° x 30° shielding and are held by Smithcraft's patented Duo-Cam hangers* . . . hinge from either side, close by simple pressure upwards, removed without tools or loose parts by simply lifting off.
8. Easy to install. METRO TROFFERS are lifted into position and placed on inverted "T" bars. TEMPLEX TROFFERS are placed in ceiling opening and hangers are automatically positioned on ceiling supporting members.

*PATENT #2,559,640

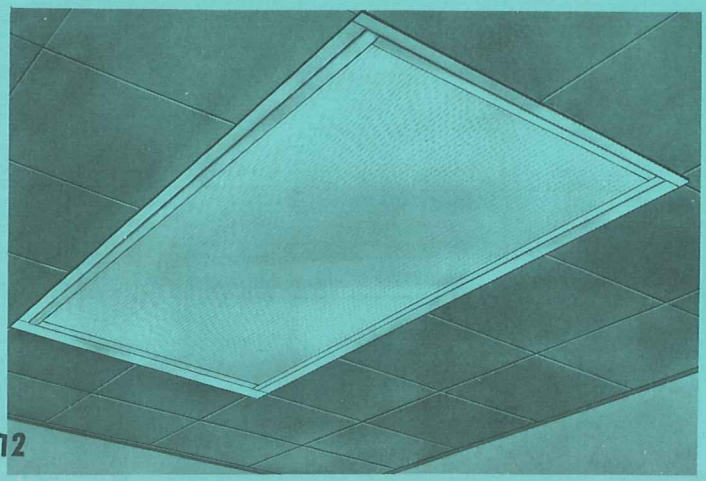


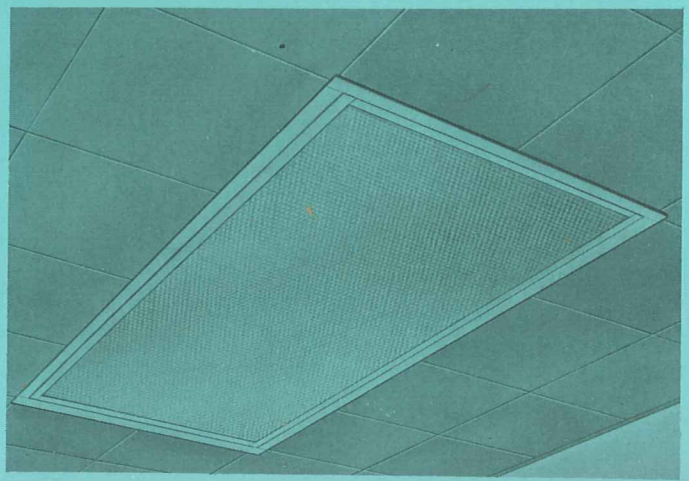
MET METRO TROFFERS For Inverted "T" Grid Type Suspended Ceilings MET





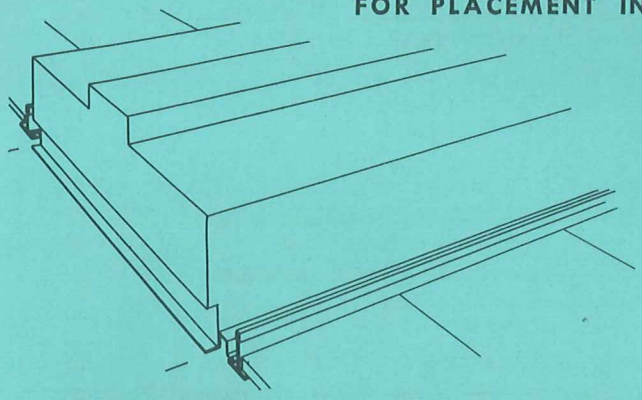
TEM PAN TEMPLEX TROFFERS For Ceilings Supported by 1½" Channel or Other Structural Members Also in Plaster Frame and Wood-Framed Openings TEM PAN

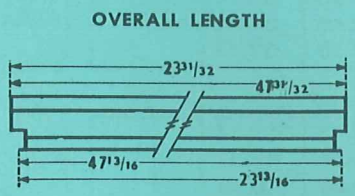




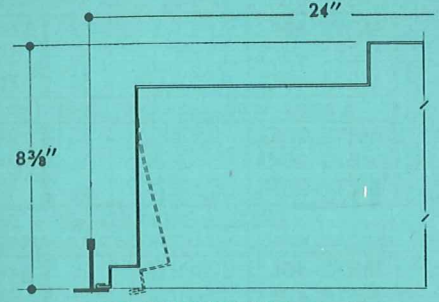
METRO TROFFER (MET—series without flange)

FOR PLACEMENT IN INVERTED T-GRID SYSTEM





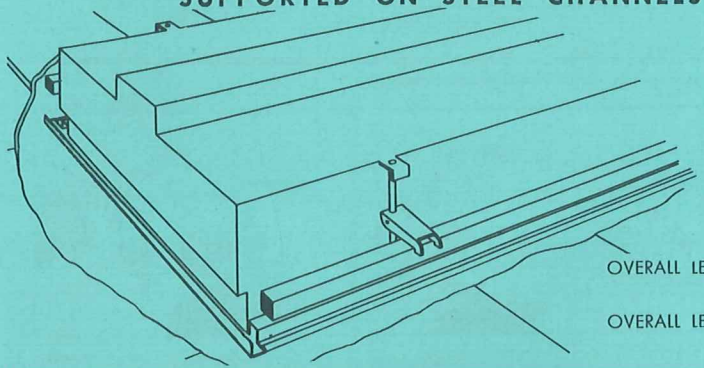
(unit width — 23 13/16″)



SIDES COMPRESSIBLE for simple installation where cavity depth is limited

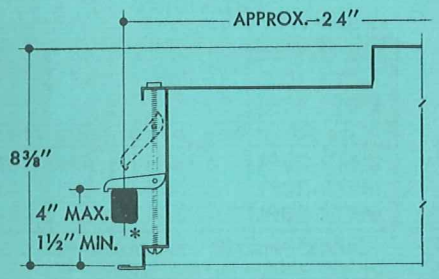
TEMPLEX TROFFERS (TEM—series with integral flange)

SUPPORTED ON STEEL CHANNELS OR OTHER STRUCTURAL MEMBERS



OVERALL LENGTH 4′ UNITS – 47 31/32″

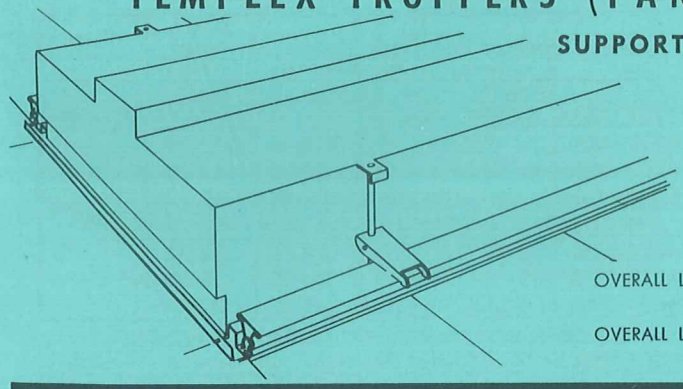
OVERALL LENGTH 2′ UNITS – 23 31/32″



* SYMBOL DESIGNATES 1½″ channel, wood framing or any structural steel section.

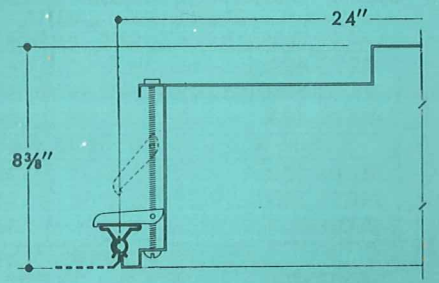
TEMPLEX TROFFERS (PAN—series without flange)

SUPPORTED ON T-BARS



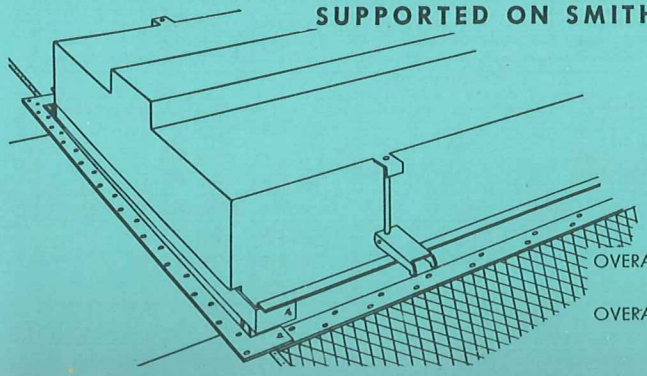
OVERALL LENGTH 4′ UNITS – 47 31/32″

OVERALL LENGTH 2′ UNITS – 23 31/32″



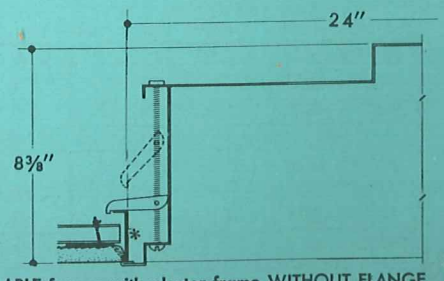
TEMPLEX TROFFERS (TEM—series with integral trim flange, PAN—series without flange)

SUPPORTED ON SMITHCRAFT PLASTER FRAME



OVERALL LENGTH 4′ UNITS – 47 31/32″

OVERALL LENGTH 2′ UNITS – 23 31/32″



* ALSO AVAILABLE for use with plaster frame WITHOUT FLANGE

PAN *Smithcraft* TEMPLEX 2-FOOT WIDE TROFFERS (WITHOUT FLANGE) PAN

FOR USE IN CEILINGS SUPPORTED BY T-BARS OR SIMPLEX SNAP-BARS AND FOR USE WITH PLASTER FRAME (See page 13, for details.)

CUBEX ½" x ½" x ½" ALUMINUM LOUVERS 45° x 45° SHIELDING

Troffer Without Flange Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
2-FOOT WIDE x 4-FOOT LONG TROFFERS FOR RAPID-START LAMPS					
PAN2-40CL	2 F40T12RS	49	$62.33	$51.94	
PAN3-40CL	3 F40T12RS	54	70.88	59.06	
PAN4-40CL	4 F40T12RS	56	72.38	60.31	
2-FOOT WIDE x 2-FOOT LONG TROFFERS (TRIGGER-START)					
PAN2-20CL	2 F20T12	33	40.05	33.38	
PAN3-20CL	3 F20T12	35	45.90	38.25	
PAN4-20CL	4 F20T12	37	48.68	40.56	

STEEL LOUVERS (30° x 30° SHIELDING)

2-FOOT WIDE x 4-FOOT LONG TROFFERS FOR RAPID-START LAMPS					
PAN2-40L	2 F40T12RS	56	$46.80	$39.00	
PAN3-40L	3 F40T12RS	60	56.25	46.88	
PAN4-40L	4 F20T12RS	62	57.75	48.13	
2-FOOT WIDE x 2-FOOT LONG TROFFERS (TRIGGER-START)					
PAN2-20L	2 F20T12	45	31.13	25.94	
PAN3-20L	3 F20T12	47	37.50	31.25	
PAN4-20L	4 F20T12	48	40.13	33.44	

PLASTIC LOUVER IN HINGED DOOR FRAME 45° x 45° SHIELDING

2-FOOT WIDE x 4-FOOT LONG TROFFERS FOR RAPID-START LAMPS					
PAN2-40PL	2 F40T12RS	40	$52.13	$43.44	
PAN3-40PL	3 F40T12RS	45	60.00	50.00	
PAN4-40PL	4 F40T12RS	47	61.28	51.06	
2-FOOT WIDE x 2-FOOT LONG TROFFERS (TRIGGER-START)					
PAN2-20PL	2 F20T12	35	36.75	30.63	
PAN3-20PL	3 F20T12	37	43.73	36.44	
PAN4-20PL	4 F20T12	39	46.05	38.38	

HOLOPHANE PRISMALUME CONTROLENS® #6024

2-FOOT WIDE x 4-FOOT LONG TROFFERS FOR RAPID-START LAMPS					
PAN2-40H	2 F40T12RS	51	$71.25	$59.38	
PAN3-40H	3 F40T12RS	56	80.25	66.88	
PAN4-40H	4 F40T12RS	57	82.13	68.44	
2-FOOT WIDE x 2-FOOT LONG TROFFERS (TRIGGER-START)					
PAN2-20H	2 F20T12	36	43.50	36.25	
PAN3-20H	3 F20T12	38	48.75	40.63	
PAN4-20H	4 F20T12	40	51.00	42.50	

STYROTEX PLASTIC SHIELDING

2-FOOT WIDE x 4-FOOT LONG TROFFERS FOR RAPID-START LAMPS					
PAN2-40X	2 F40T12RS	49	$44.63	$37.19	
PAN3-40X	3 F40T12RS	54	53.63	44.69	
PAN4-40X	4 F40T12RS	56	56.25	46.88	
2-FOOT WIDE x 2-FOOT LONG TROFFERS (TRIGGER-START)					
PAN2-20X	2 F20T12	33	29.63	24.69	
PAN3-20X	3 F20T12	35	35.70	29.75	
PAN4-20X	4 F20T12	37	37.88	31.56	

ACRYLIC PLASTIC DISH SHIELDING

Troffer Without Flange Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
2-FOOT WIDE x 4-FOOT LONG TROFFERS FOR RAPID-START LAMPS					
PAN2-40AD	2 F40T12RS	42	$65.93	$54.94	
PAN3-40AD	3 F40T12RS	47	75.38	62.81	
PAN4-40AD	4 F40T12RS	54	78.00	65.00	
2-FOOT WIDE x 2-FOOT LONG TROFFERS (TRIGGER-START)					
PAN2-40AD	2 F20T12	35	43.88	36.56	
PAN3-40AD	3 F20T12	36	49.80	41.50	
PAN4-40AD	4 F20T12	39	51.75	43.13	

POLYSTYRENE PLASTIC DISH SHIELDING

2-FOOT WIDE x 4-FOOT LONG TROFFERS FOR RAPID-START LAMPS					
PAN2-40P	2 F40T12RS	40	$48.30	$40.25	
PAN3-40P	3 F40T12RS	45	56.25	46.88	
PAN4-40P	4 F40T12RS	52	58.80	49.00	
2-FOOT WIDE x 2-FOOT LONG TROFFERS (TRIGGER-START)					
PAN2-20P	2 F20T12	34	31.50	26.25	
PAN3-20P	3 F20T12	36	37.50	31.25	
PAN4-20P	4 F20T12	38	40.13	33.44	

ALBALITE "66" GLASS SHIELDING

2-FOOT WIDE x 4-FOOT LONG TROFFERS FOR RAPID-START LAMPS					
PAN2-40A	2 F40T12RS	52	$51.30	$42.75	
PAN3-40A	3 F40T12RS	57	58.13	48.44	
PAN4-40A	4 F40T12RS	64	60.83	50.69	
2-FOOT WIDE x 2-FOOT LONG TROFFERS (TRIGGER-START)					
PAN2-20A	2 F20T12	40	31.20	26.00	
PAN3-20A	3 F20T12	42	37.50	31.25	
PAN4-20A	4 F20T12	44	39.75	33.13	

CORNING PATTERN #70 GLASS SHIELDING

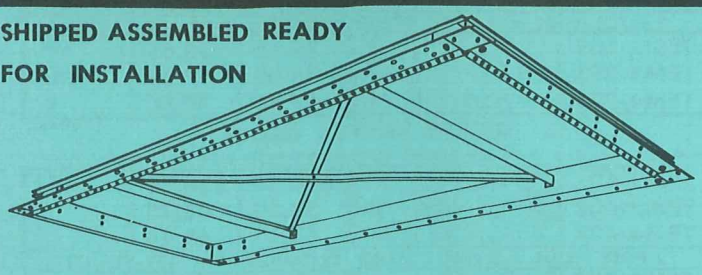
2-FOOT WIDE x 4-FOOT LONG TROFFERS FOR RAPID-START LAMPS					
PAN2-40S	2 F40T12RS	52	$57.75	$48.13	
PAN3-40S	3 F40T12RS	57	66.98	55.81	
PAN4-40S	4 F40T12RS	64	69.38	57.81	
2-FOOT WIDE x 2-FOOT LONG TROFFERS (TRIGGER-START)					
PAN2-20S	2 F20T12	40	36.15	30.13	
PAN3-20S	3 F20T12	42	42.08	35.06	
PAN4-20S	4 F20T12	44	44.40	37.00	

RIBBED SKYTEX GLASS

2-FOOT WIDE x 4-FOOT LONG TROFFERS FOR RAPID-START LAMPS					
PAN2-40R	2 F40T12RS	52	$45.00	$37.50	
PAN3-40R	3 F40T12RS	57	54.00	45.00	
PAN4-40R	4 F40T12RS	64	56.63	47.19	
2-FOOT WIDE x 2-FOOT LONG TROFFERS (TRIGGER-START)					
PAN2-20R	2 F20T12	40	30.00	25.00	
PAN3-20R	3 F20T12	42	35.63	29.69	
PAN4-20R	4 F20T12	44	38.25	31.88	

PLASTER FRAME FOR 2-FOOT WIDE TROFFERS

SHIPPED ASSEMBLED READY FOR INSTALLATION



Templex troffers may be used (with or without integral trim flange) with plaster frame. Plaster frame is highly recommended for use with new plaster ceilings because it eliminates the expense of building framing at the job and saves hours and dollars in installation time.

FOR INDIVIDUAL MOUNTING

Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
A-4406	Cost per each 2'x4' Troffer	$7.13	$5.94	
A-4206	Cost per each 2'x2' Troffer	5.63	4.69	

FOR START OR END OF A ROW

Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
B-4406	Cost per each 2'x4' Troffer	$5.93	$4.94	
B-4206	Cost per each 2'x2' Troffer	4.80	4.00	

EXTENSION UNITS FOR CONTINUOUS ROW MOUNTING

Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
C-4406	Cost per each 2'x4' Troffer	$5.25	$4.38	
C-4206	Cost per each 2'x2' Troffer	4.20	3.50	

® The Holophane Company Inc.

All 2, 3 and 4-lamp 2' x 2' units are furnished with Normal Power Trigger-Start Ballasts.

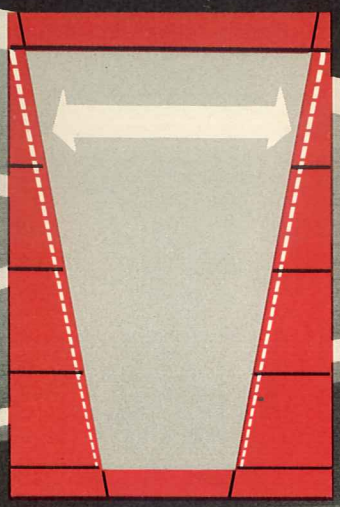
Introducing an outstanding new development in recessed lighting —

ONLY $4\frac{15}{16}$" DEEP

Smithcraft SPEEDOMATIC TROFFERS

FEATURING THE NEW EXCLUSIVE TELESCOPIC DOOR FRAME

— Automatically adjusts to assure perfecf fitting, even in irregular ceiling openings. When installed, shielding is framed in ceiling by a single width of metal, offering maximum illuminated area and a clean, precise finished appearance.



new *Smithcraft* SPEEDOMATIC TROFFERS

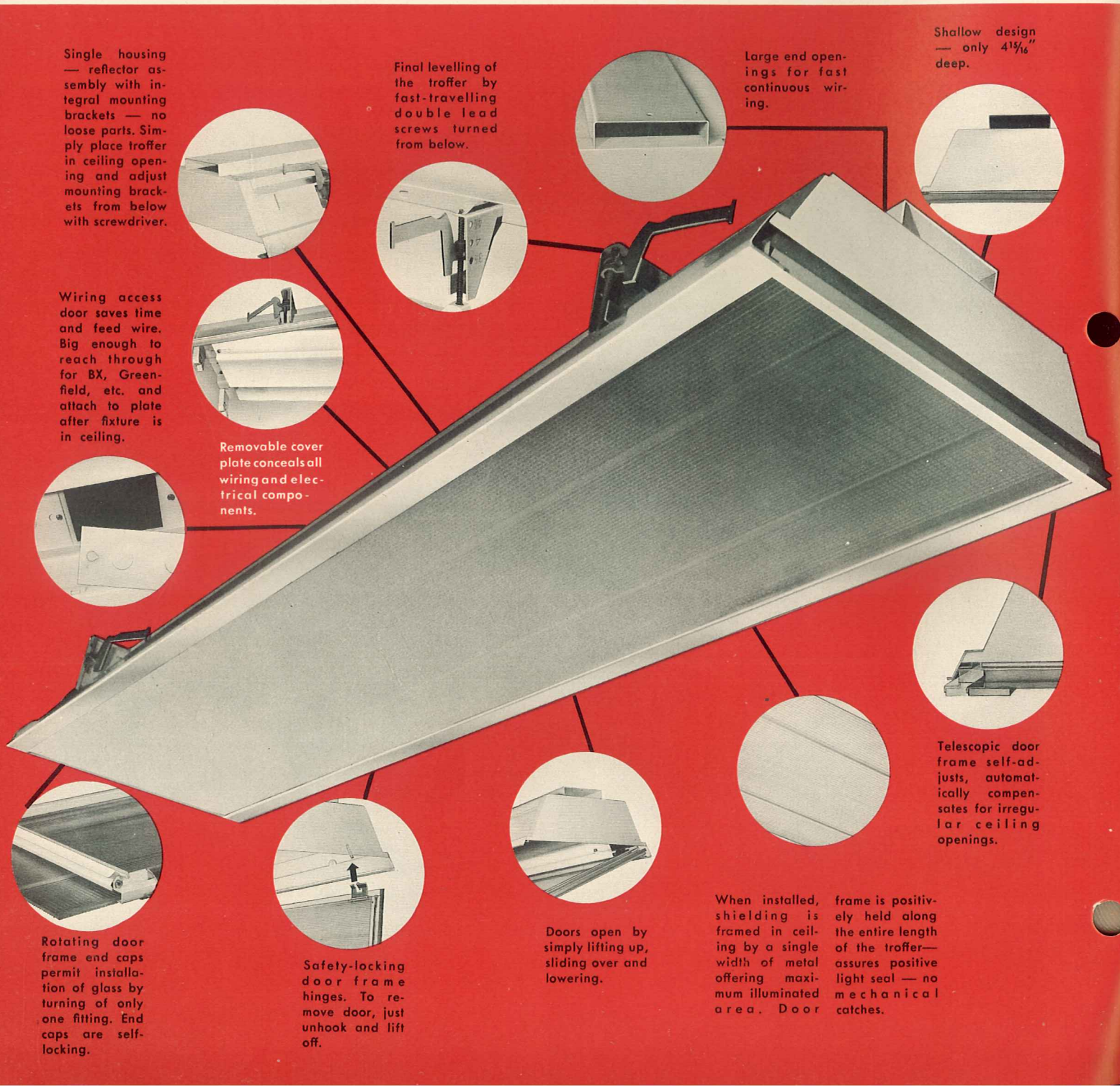
FAST ORDERING ! FAST INSTALLATION ! FAST MAINTENANCE !

COMBINED WITH A NEW PRECISION IN FINISHED CEILING APPEARANCE

The new series of Smithcraft Speedomatic Troffers have been specifically designed to meet the up-to-date needs of architects, owners and contractors. A new ease of specifying and ordering has been developed, with the use of the Smithcraft Ceiling Index, (Form No. C-441). This index lists all of today's popular ceiling systems, and specifies which of four basic types of Smithcraft Speedomatic Troffer installs perfectly in each ceiling. New Speedomatic Troffers assure architectural precision of installation with the exclusive new telescopic door frame.

Today's fastest-installing troffer, the Smithcraft Speedomatic effects substantial savings — in hours and dollars — for electrical contractors. Maintenance costs for owners are also greatly reduced because of the simplicity and ease of maintenance of Smithcraft Speedomatic Troffers.

We believe the new Smithcraft Speedomatic Troffers go so far beyond any recessed lighting previously available in improvements and refinements that it is literally in a class by itself. Special features of Smithcraft Speedomatic Troffers are listed below.



Single housing — reflector assembly with integral mounting brackets — no loose parts. Simply place troffer in ceiling opening and adjust mounting brackets from below with screwdriver.

Final levelling of the troffer by fast-travelling double lead screws turned from below.

Large end openings for fast continuous wiring.

Shallow design — only 4 5/16" deep.

Wiring access door saves time and feed wire. Big enough to reach through for BX, Greenfield, etc. and attach to plate after fixture is in ceiling.

Removable cover plate conceals all wiring and electrical components.

Telescopic door frame self-adjusts, automatically compensates for irregular ceiling openings.

Rotating door frame end caps permit installation of glass by turning of only one fitting. End caps are self-locking.

Safety-locking door frame hinges. To remove door, just unhook and lift off.

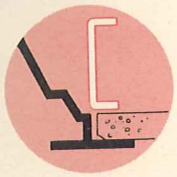
Doors open by simply lifting up, sliding over and lowering.

When installed, shielding is framed in ceiling by a single width of metal offering maximum illuminated area. Door frame is positively held along the entire length of the troffer— assures positive light seal — no mechanical catches.

SEE THE COMPLETE SMITHCRAFT CEILING INDEX FORM #C-441 FOR ADAPTABILITY OF THESE FOUR TYPES TO TODAY'S CEILINGS.

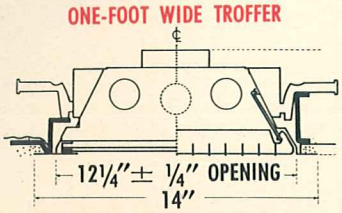
TYPE "F"

Flanged troffers for 1 ½" channel or other steel structural supporting members. Also in plaster frame.

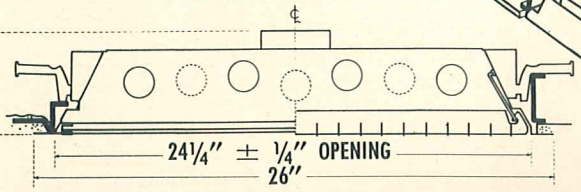


END SECTION DIMENSIONS

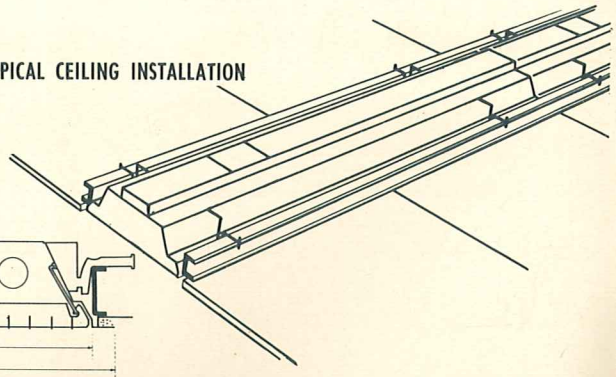
ONE-FOOT WIDE TROFFER



TWO-FOOT WIDE TROFFER

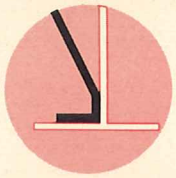


TYPICAL CEILING INSTALLATION



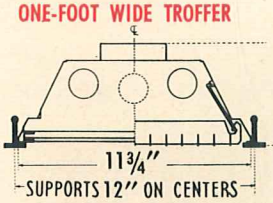
TYPE "G"

Type "G" troffers for installation in exposed inverted "T" ceiling systems.

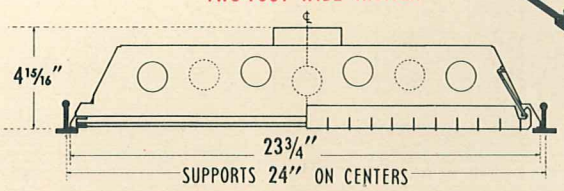


END SECTION DIMENSIONS

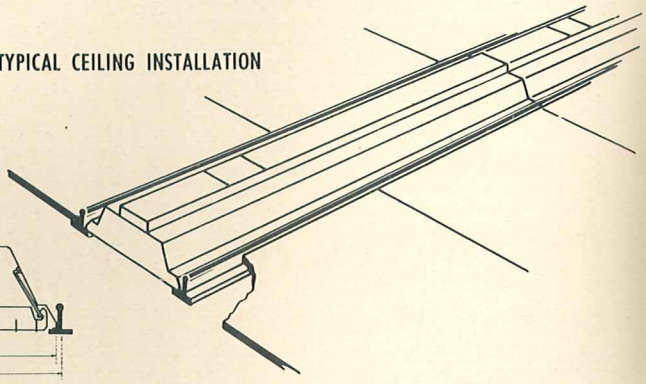
ONE-FOOT WIDE TROFFER



TWO-FOOT WIDE TROFFER



TYPICAL CEILING INSTALLATION



TYPE "P"

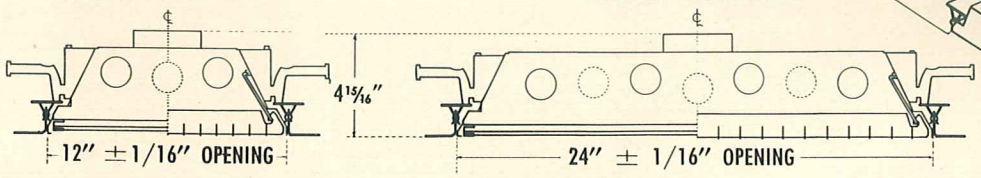
Type "P" troffers for installation in metal pan type ceiling systems.



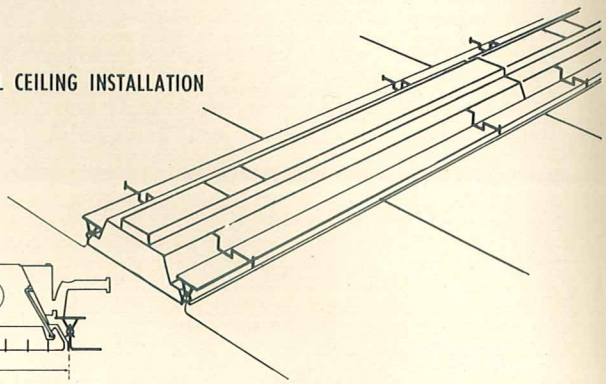
END SECTION DIMENSIONS

ONE-FOOT WIDE TROFFER

TWO-FOOT WIDE TROFFER



TYPICAL CEILING INSTALLATION



TYPE "A"

Type "A" troffers for installation in Acousti-line type ceiling systems. These troffers are end-mounted.

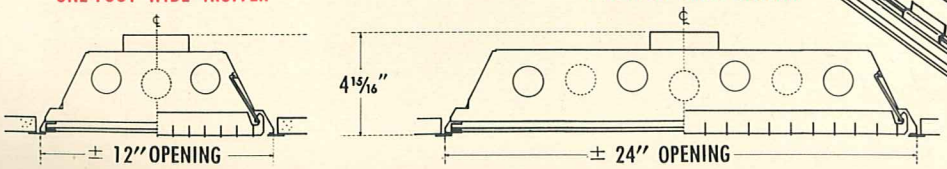


END VIEW

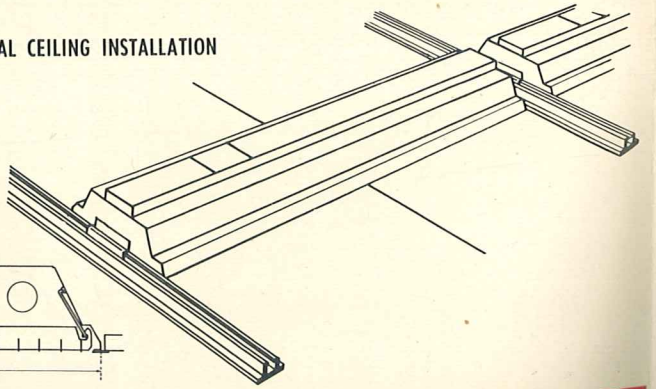
END SECTION DIMENSIONS

ONE-FOOT WIDE TROFFER

TWO-FOOT WIDE TROFFER



TYPICAL CEILING INSTALLATION

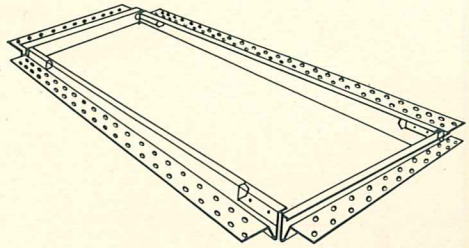


LINGS.

e.

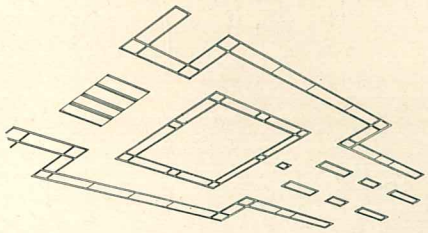
nted.

Smithcraft PLASTER FRAME



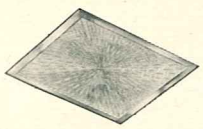
Recommended for use with new plaster ceilings, individually mounted or in continuous rows. Available for use with 1′ wide and 2′ wide troffers. May be furnished for regular hard plaster or acoustical plaster. Assures troffer alignment in rows or patterns. Rigidizing spacer-ends hold frame to correct opening. (See page 19 of Smithcraft Recessed Equipment Price Catalog #221)

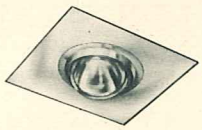
PATTERN LIGHTING



Smithcraft Speedomatic Troffers lend themselves readily to the creation of new, architecturally correct patterns. A great variety of patterns and special effects are possible with Speedomatic Troffers, with or without the use of spot boxes. Pattern lighting may also be created with Smithcraft Plaster frame. Send details of ceiling construction and pattern layout.

SPOT BOXES





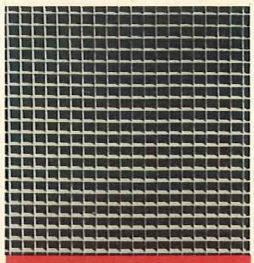
Highly adaptable Smithcraft Spot Boxes may be mounted individually, at the ends of continuous rows, between troffers in continuous rows, and in corners in pattern layouts. Available with or without flange, with adjustable spot light or with Holophane Controlens® #773 shielding. (See page 18 of Smithcraft Recessed Equipment Price Catalog #221)

COMPLETE SELECTION OF SHIELDING MEDIA

For complete information on a specific type of shielding, including photometric data, description and catalog information, refer to individual catalog pages. See below for form numbers.



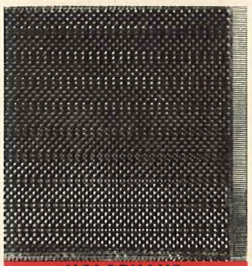
ALBALITE "66" — Form No. C-449



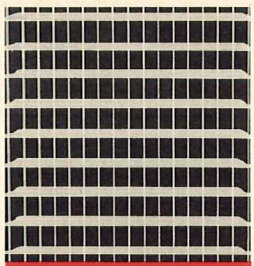
CUBEX LOUVERS — Form No. C-443



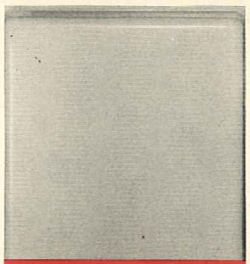
HOLOPHANE PRISMALUME CONTROLENS®#6010— Form No. C-448A



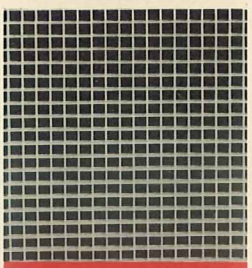
HOLOPHANE PRISMALUME CONTROLENS®#6025— Form No. C-448B



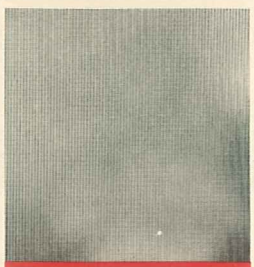
STEEL LOUVERS — Form No. C-442



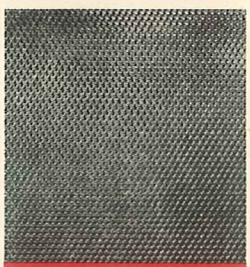
POLYSTYRENE PLASTIC DISH — Form No. C-447



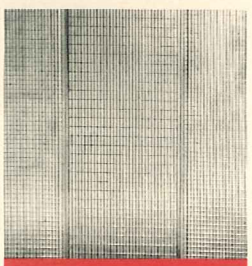
PLASTIC LOUVERS — Form No. C-444



RIBBED SKYTEX GLASS — Form No. C-450



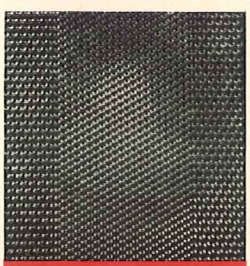
CORNING #70 GLASS — Form No. C-451



STYROTEX PLASTIC — Form No. C-445



ACRYLIC PLASTIC REFRACTOR — Form No. C-446



HOLOPHANE CONTROLENS®#9022 — Form No. C-452

WHAT ARE THE IMPORTANT FEATURES OF THE NEW SMITHCRAFT SPEEDOMATIC TROFFER?

OF INTEREST TO ARCHITECTS:

1. NEW EXCLUSIVE TELESCOPIC DOOR FRAME

Automatically adjusts to fit ceiling opening. Provides positive light seal.

2. SIMPLICITY ITSELF TO SPECIFY AND ORDER

Four basic types of Smithcraft Speedomatic Troffers fit all of today's popular ceilings. Simply locate the ceiling system desired in Smithcraft's complete Ceiling Index (Form No. C-441) and the basic troffer type is indicated.

3. CLEAN, PRECISE LINES

Single width of door framing offers maximum illuminated area and clean, precise finished ceiling appearance. No visible catches, latches, bolts, hinges or screws. Trim exact lines are maintained by Speedomatic's exclusive telescopic door frame . . . in continuous rows or patterns.

4. RECESSES ONLY 4-15/16"

Saves space, leaves room for other services, offers construction savings.

5. LOW MAINTENANCE COST

Doors open and close without the use of tools or loose parts. Simply lift up, slide over and lower. No mechanical catches.

what's REALLY new about Smithcraft SPEEDOMATIC

OF INTEREST TO CONTRACTORS:

6. ONE PIECE ASSEMBLY

No loose parts. Integral mounting brackets adjust to all of today's ceilings requiring hanger mounting. Requires only a screwdriver to adjust.

7. TODAY'S FASTEST-INSTALLING TROFFER

Simply place in ceiling opening and turn fast-traveling levelling screws from below to install.

8. FAST, EASY WIRING

Saves installation costs. Wiring is immediately reached and brought into fixture through *exclusive ACCESS DOOR* after the troffer is in place. Large end openings permit faster continuous wiring of troffer.

9. PERFECT FITTING JOBS EVERY TIME

Because of self-adjusting telescopic door frame. No need for adjustments after installation.

S P E C I F I C A T I O N S

TYPE "F" 1-FOOT WIDE TROFFERS

GENERAL DESCRIPTION: The fixture shall be a recessed unit, with integral trim flange, wired, ready for installation individually or in continuous rows or in geometric patterns. The troffer shall require a ceiling opening from 12" to 12½". The troffer shall require a maximum cavity depth of 4 15/16". The troffer shall be of single assembly including hanging arrangements.

MOUNTING SPECIFICATIONS: Hanging devices shall be integral parts of the troffer and shall attach to ceiling members located anywhere between 1" from the finished ceiling line and 4½" from the finished ceiling line in height and between 12" and 14" in width. Hanging devices shall permit the complete troffer to be raised or lowered after installation by the turning of special, easily-accessible, fast-acting double-lead threaded screws.

2-FOOT WIDE TROFFERS

Substitute for corresponding line in general description: The troffer shall require a ceiling opening from 24" to 24½". Substitute for corresponding line mounting specifications: Hanging devices shall attach to ceiling members located anywhere between 1" from the finished ceiling line and 4½" from the ceiling line in height and between 24" and 26" in width.

TYPE "P" 1-FOOT WIDE TROFFERS

GENERAL DESCRIPTION: The fixture shall be a recessed unit, wired, ready for installation individually or in continuous rows or in geometric patterns. The door-frame of the troffer shall be adjustable after installation in width to adapt to ceiling variations from 11 7/8" to 12 1/16". The troffer shall require a maximum cavity depth of 4 15/16". The troffer shall be so designed as to permit installation in metal pan ceiling systems. The troffer shall be of a single assembly, including hanging arrangements.

MOUNTING SPECIFICATIONS: Hanging devices shall be integral parts of the troffer and shall attach to ceiling members. Hanging devices shall permit the complete troffer to be raised or lowered after installation by the turning of special, easily-accessible, fast-acting double-lead threaded screws.

2-FOOT WIDE TROFFERS

Substitute for corresponding line in general description: The door frame of the troffer shall be adjustable in width after installation to adapt to ceiling variations from 23 7/8" to 24 1/16".

TYPE "G" 1-FOOT WIDE TROFFERS

GENERAL DESCRIPTION: The fixture shall be a recessed unit, wired, ready for installation individually or in continuous rows. The door frame of the troffer shall be adjustable in width after installation to adapt to ceiling variations from 11 7/8" to 12 1/16". The troffer shall require a maximum cavity depth of 4 15/16". The troffer shall be of single assembly.

MOUNTING SPECIFICATIONS: The fixtures shall be designed to lay in inverted "T" grid type suspended ceilings. The fixtures shall not use hanging devices.

2-FOOT WIDE TROFFERS

Substitute for corresponding line in general description: The door frame of the troffer shall be adjustable in width after installation to adapt to ceiling variations from 23 7/8" to 24 1/16".

TYPE "A" 1-FOOT WIDE TROFFERS

GENERAL DESCRIPTION: The fixture shall be a recessed unit, wired, ready for installation individually or in continuous rows. The door frame of the troffer shall be adjustable in width after installation to adapt to ceiling variations from 11 7/8" to 12 1/16". The troffer shall require a maximum cavity depth of 4 15/16". The troffer shall be so designed as to permit installation in Acousti-line type ceilings.

MOUNTING SPECIFICATIONS: The fixtures shall be designed to be end-mounted in Acousti-line type ceilings, with the use of special clamps. Clamps shall be an integral part of the fixture. The fixture shall not use other hanging devices.

2-FOOT WIDE TROFFERS

Substitute for corresponding line in general description: The door frame of the troffer shall be adjustable in width after installation to adapt to ceiling variations from 23 7/8" to 24 1/16".

Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

CONSTRUCTION SPECIFICATIONS

(Apply to all four types of Smithcraft Speedomatic troffers)

A. HOUSING—REFLECTOR shall be of single assembly.

1. HOUSING shall be die-formed of not less than 20-gauge steel in 4' or 8' sections. Housing shall enclose ballast and wiring accessories including lampholders and shall form a wireway for continuous wiring. Housing shall have a removable access plate to allow electrician to make connection to troffer after fixture is in opening.
2. REFLECTOR shall be die-formed of not less than 22-gauge steel. A removable top cover plate shall be supplied so that access can be made to the entire wiring system. Cover shall be held in place by keyhole slot arrangement.

B. GLASS FRAME ASSEMBLY shall be roller-die formed of 22-gauge steel on side members and 20-gauge steel on end caps. End caps shall rotate permitting glass to slide into an envelope form and shall lock glass in place. Frame shall be hinged and arranged so that it can be unhooked from its hinges without the use of tools. Door frame is opened or closed by simple upwards and sideways motion. Door frame shall be telescopic. There shall be no visible or mechanical catches, bolts or screws securing the door frame.

C. SHIELDING LOUVER ASSEMBLY shall be of 22-gauge steel and shall provide cutoff from lamp glare of 40° crosswise and 40° lengthwise (30° x 30° shielding in 2-ft. wide units). The members shall be welded on the inside where they cross without mutilating or deforming the bars or pattern. Shall be hinged through the use of hangers which permit hanging from either side with closing and opening accomplished by pressure of the fingers. Louvers shall be removed by unhooking without tools or loose parts.

D. PLASTER FRAME shall be die-formed of 22-gauge steel with spacers to assure rigidity of side frames. Plaster frame shall contain continuous holes to act as plaster keyways and other well-spaced holes for tie off with lather's wire. The plaster frame shall be designed to permit various forms of geometric pattern lighting as required.

E. FINISH: Surfaces shall be Bonderized and finished with high temperature baked white enamel with reflection factor of not less than 85%.

WIRING REQUIREMENTS

F. The complete unit shall bear the Underwriters' Laboratories Seal.

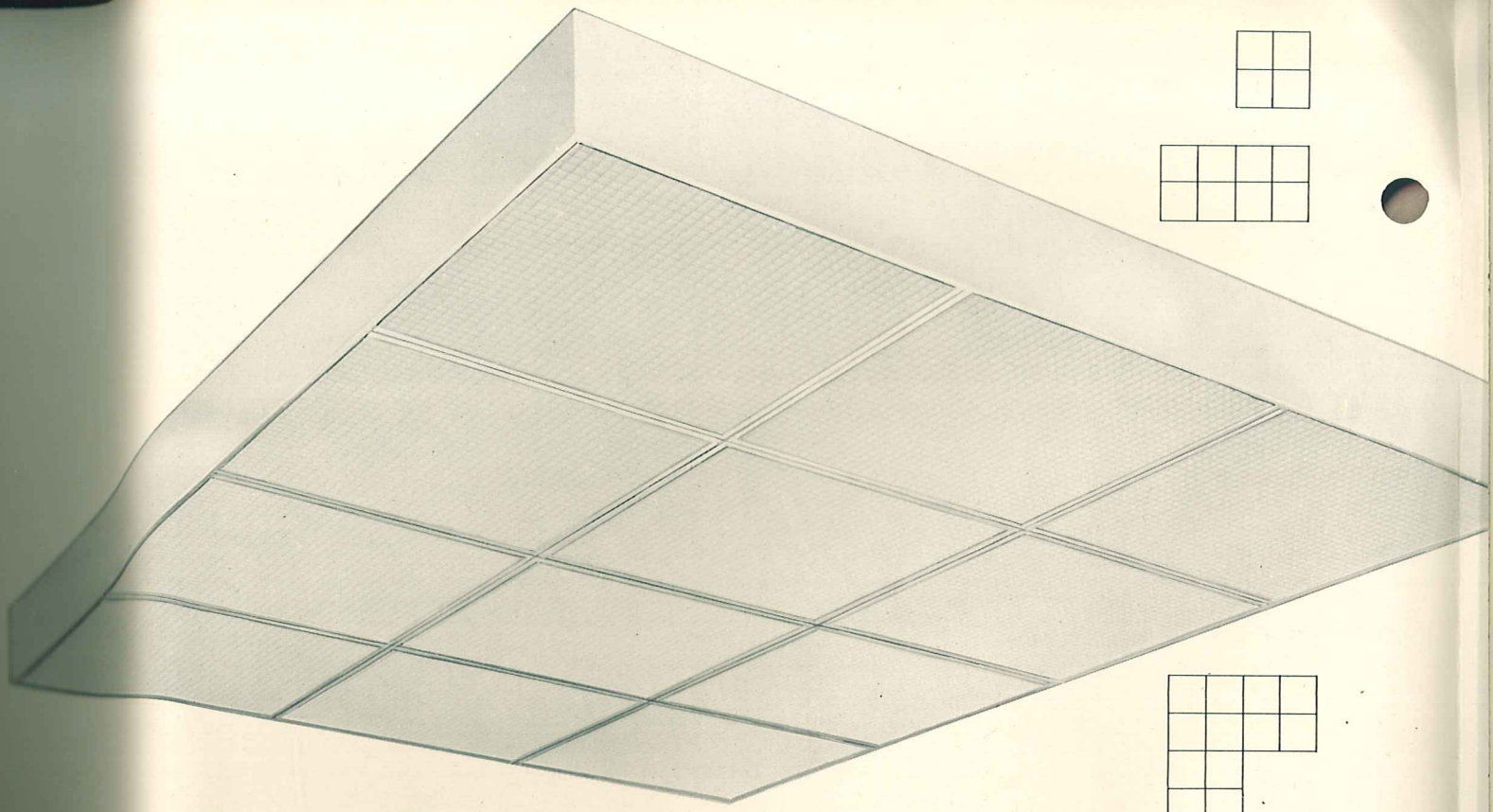
G. The fixture shall bear the label of the I.B.E.W. of the A.F. of L.

Form # C-440
Printed in U.S.A.



Smithcraft large element lighting

5 sizes of pre-assembled modular units for high level illumination, with a choice of 4 different shielding media.



Smithcraft large element lighting

Smithcraft Large Element Lighting is an important new technique in the application of very high levels of illumination with maximum comfort and with uniform low brightness. Large Element Lighting consists of large modules which are architectural in form — functional and unobtrusive. These modules are used separately or assembled to create a lighting system which provides the effect, the low cost and the utility of dropped ceiling construction along with substantial savings in installation costs.

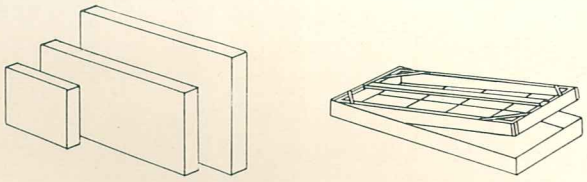
These Smithcraft Large Element modules have exact dimensions in both directions so they may be used to create exactly any multiple of 2' in length or in width from 4' x 4' up. With five different sizes of units, a wide variety of areas and patterns are possible. Smithcraft Large Elements are joinable in both directions.

Lighting characteristics are excellent for very high levels of illumination. The surface luminance of a Large Element installation is comfortable, uniform, clean and trim. The lamp compartment of Large Element units provides uniform illumination of the diffuser. The upper portions of walls at the periphery are flooded by light above the unit. When this region is in the field of vision an otherwise disturbing brightness contrast of walls to luminous surface is eliminated.

Smithcraft Large Element Lighting is available with several different shielding media (see pages 4 and 5).

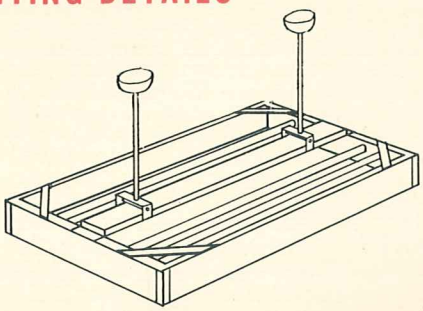
YOU MOUNT LARGE ELEMENTS AS YOU MOUNT ANY FIXTURE!

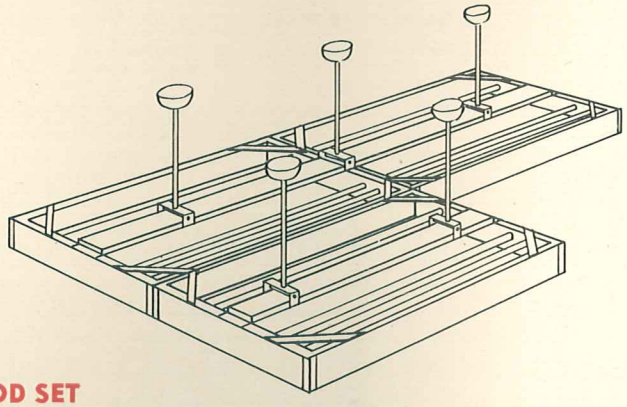
Large Element Lighting is easy and economical to install because an element comes from the factory assembled and wired. An element is removed from the carton and hung on rods and levelled very much as you would mount a conventional fluorescent lighting fixture. Shielding is then installed. Large Element Lighting hangs free from the walls eliminating all the costly wall attachments. Elements are joined together in either direction by bolting.

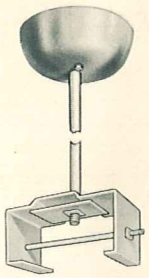


Shipped pre-assembled and wired, (less shielding) ready for mounting.

MOUNTING DETAILS







The distance from the ceiling to the top of the housing equals the length of the rod plus 3".

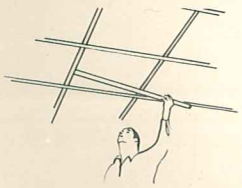
SS119 CANOPY AND ROD SET

Two required per Large Element unit in individual mounting or in side-by-side mounting. In continuous mounting, one more canopy and rod set is required than the number of units in the row, or two rod sets per unit may be used. Necessary couplings are provided for continuous mounting.

Quickly and easily mounted to ceiling. May be slid anywhere along the length of the Large Element housing. Levelling screws permit exact levelling after installation. Consists of canopy, single 18" long 3/8" diameter rod, heavy canopy bar, fittings, clamp hanger with levelling screws.
SS119 Canopy and Rod sets are available with longer or shorter rod lengths. Be sure to specify if lengths other than 18" are desired.

MAINTENANCE AND RELAMPING ARE FAST AND SIMPLE

Maintenance and relamping are simple. The 2' x 2' diffuser sections are laid in position on cross tees and for maintenance are simply lifted up and slid out of the way without removing from the unit.



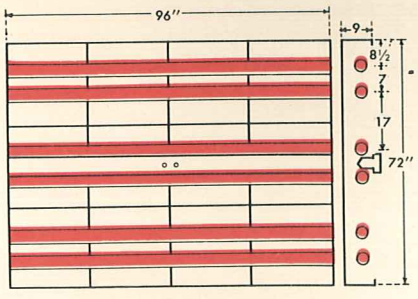
OVERALL DIMENSIONS

LOCATION OF KNOCKOUTS

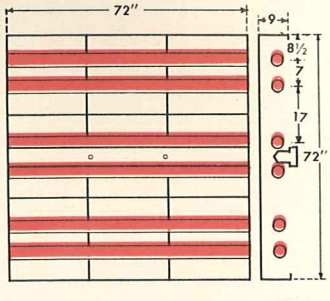
On 4' and 8' long units, a 7/8" knockout and an 1 1/8" knockout are located 1 1/2" on either side of the center line. On 6' long units, a 7/8" knockout and an 1 1/8" knockout are located 11 1/2" on either side of the center line.

WIRING IS BROUGHT INTO HOUSING THROUGH AVAILABLE KNOCKOUTS ON TOP OF HOUSINGS IN AN APPROVED MANNER

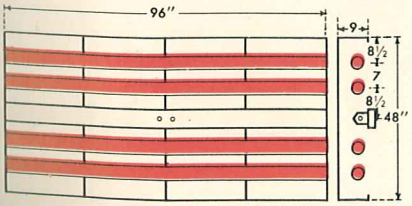
8' x 6'



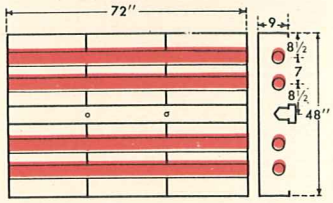
6' x 6'



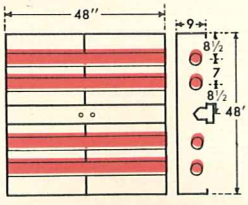
8' x 4'



6' x 4'



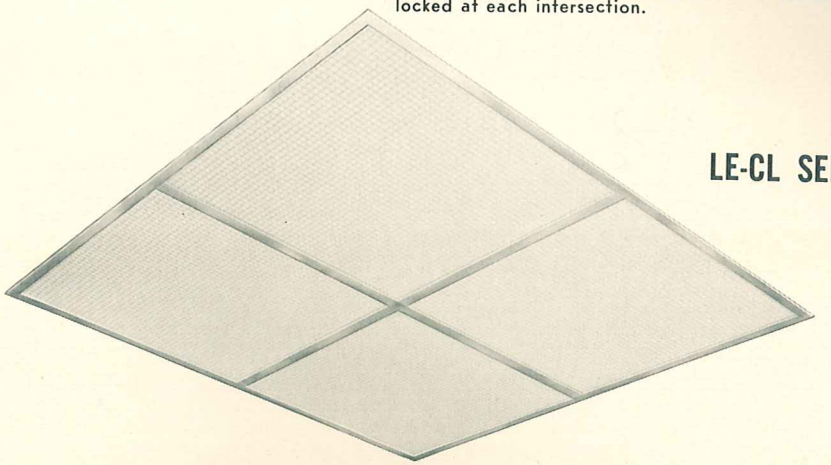
4' x 4'



LARGE ELEMENT WITH ½" x ½" x ½" CUBEX ALUMINUM LOUVERS

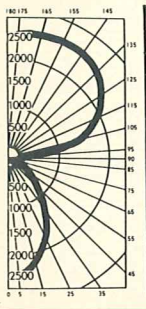
(providing 45° x 45° shielding)

Cubex Aluminum Louvers are a new achievement in shielding comfort and in beauty providing 45° x 45° shielding in a very low-bright architecturally-pleasing medium. Louver cells are small enough to permit a "textured" appearance, yet large enough to attain a pleasing crispness and to permit excellent efficiency. Manufacturd of aluminum by an exclusive Smithcraft process (patents pending) Cubex Louvers are finished in a special low-bright, non-specular baked white enamel. They are light in weight and easy to handle, yet strong and durable because they are locked at each intersection.



LE-CL SERIES

LE84-CL



MAXIMUM BRIGHTNESS

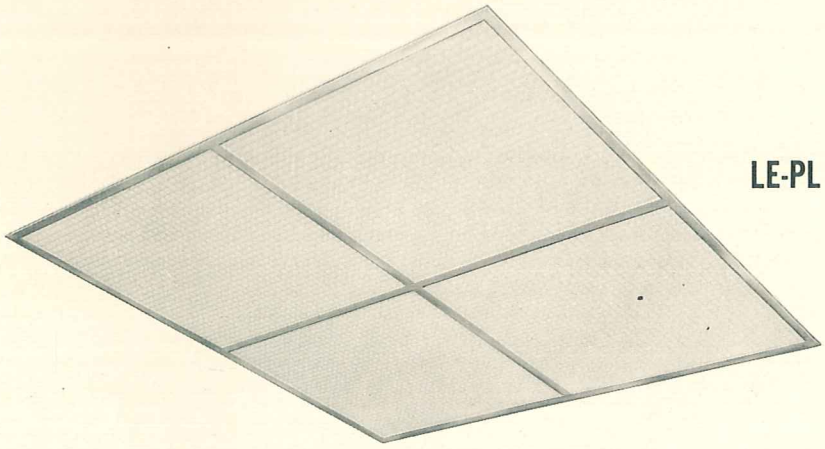
Vertical Angle	Plane A	Plane B
0	1627	1718
10	1446	1401
20	1130	1220
30	813	814
40	362	362
45	136	181
50	136	136
60	136	90
70	90	90
80	90	90
90	0	0

Ceiling		80%			80%			50%			50%		
Floor		30%			10%			30%			10%		
Walls		50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
ROOM INDEX	ROOM RATIO	COEFFICIENTS OF UTILIZATION											
J	0.6	.19	.14	.11	.19	.14	.11	.17	.13	.10	.16	.13	.10
I	0.8	.25	.20	.16	.25	.19	.16	.21	.17	.14	.21	.16	.14
H	1.0	.31	.24	.20	.30	.24	.20	.25	.20	.17	.24	.20	.16
G	1.25	.37	.30	.25	.35	.29	.25	.29	.24	.21	.28	.21	.18
F	1.5	.40	.35	.29	.40	.33	.29	.32	.27	.23	.31	.26	.21
E	2.0	.49	.42	.36	.46	.40	.35	.37	.32	.29	.34	.31	.24
D	2.5	.54	.48	.42	.50	.45	.39	.40	.36	.32	.38	.34	.31
C	3.0	.59	.52	.46	.53	.48	.44	.42	.38	.35	.40	.36	.33
B	4.0	.65	.58	.53	.57	.53	.48	.46	.43	.39	.42	.40	.37
A	5.0	.68	.65	.59	.60	.57	.52	.47	.45	.43	.44	.42	.40

LARGE ELEMENT WITH PLASTIC LOUVERS

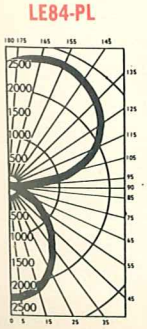
(45° x 45° shielding)

Plastic louvers provide a shodowless illumination with 45° x 45° cut-off. These louvers are strong, lightweight and easy to handle. They are easy to clean by simply dipping and drying.



LE-PL SERIES

LE84-PL



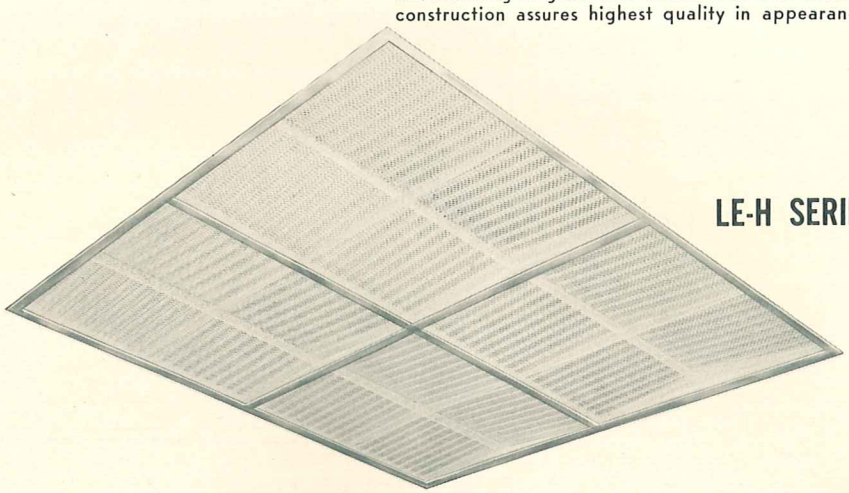
MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0	1627	1627
10	1311	1401
20	1175	1175
30	723	813
40	361	452
45	226	271
50	181	180
60	136	136
70	90	90
80	90	90
90	0	0

Ceiling		80%			80%			50%			50%		
Floor		30%			10%			30%			10%		
Walls		50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
ROOM INDEX	ROOM RATIO	COEFFICIENTS OF UTILIZATION											
J	0.6	.20	.15	.12	.20	.14	.11	.17	.13	.10	.17	.13	.10
I	0.8	.27	.21	.16	.26	.20	.16	.22	.18	.14	.22	.17	.14
H	1.0	.32	.26	.21	.31	.25	.21	.26	.21	.18	.25	.21	.17
G	1.25	.39	.31	.26	.37	.31	.26	.31	.26	.22	.29	.22	.19
F	1.5	.44	.37	.31	.42	.35	.30	.34	.29	.25	.32	.28	.22
E	2.0	.51	.44	.38	.48	.41	.37	.39	.34	.30	.36	.33	.26
D	2.5	.57	.50	.44	.53	.47	.41	.42	.38	.34	.40	.36	.33
C	3.0	.62	.55	.49	.56	.51	.47	.44	.41	.37	.42	.39	.35
B	4.0	.68	.61	.57	.60	.56	.51	.48	.45	.42	.45	.42	.40
A	5.0	.72	.68	.62	.63	.59	.54	.50	.47	.45	.47	.44	.42

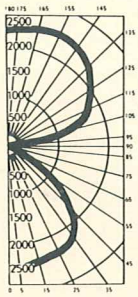
LARGE ELEMENT WITH HOLOPHANE® #6024

Holophane Prismalume Controlens® #6024 produces high lighting levels without visual discomfort. Has both longitudinal and transverse light control resulting in glare-free illumination and absence of shadows. Prismatic construction assures highest quality in appearance and in color stability.



LE-H SERIES

LE84-H



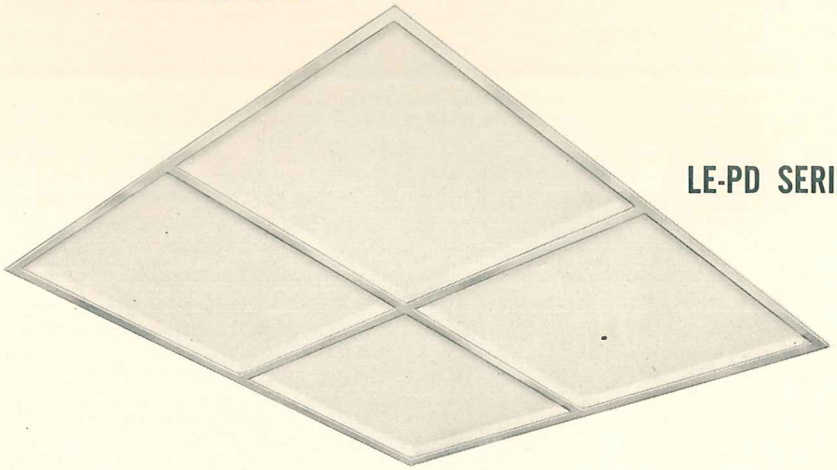
MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0	633	497
10	678	452
20	633	407
30	723	316
40	542	271
45	542	226
50	407	226
60	226	136
70	90	136
80	45	136
90	9	0

Ceiling		80%			80%			50%			50%		
Floor		30%			10%			30%			10%		
Walls		50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
ROOM INDEX	ROOM RATIO	COEFFICIENTS OF UTILIZATION											
J	0.6	.23	.17	.14	.22	.17	.14	.20	.16	.13	.20	.16	.13
I	0.8	.30	.24	.20	.29	.24	.20	.26	.21	.18	.25	.21	.18
H	1.0	.36	.29	.25	.35	.29	.25	.31	.26	.22	.30	.25	.21
G	1.25	.43	.36	.31	.42	.35	.30	.36	.31	.26	.34	.27	.24
F	1.5	.49	.41	.36	.46	.40	.35	.39	.34	.30	.38	.33	.28
E	2.0	.56	.49	.43	.53	.46	.42	.44	.39	.36	.42	.38	.31
D	2.5	.62	.55	.49	.57	.52	.44	.48	.44	.40	.45	.42	.39
C	3.0	.67	.60	.54	.61	.56	.51	.51	.47	.43	.48	.44	.41
B	4.0	.73	.67	.62	.65	.61	.56	.55	.51	.48	.51	.48	.46
A	5.0	.77	.73	.68	.68	.64	.59	.57	.53	.51	.53	.50	.48

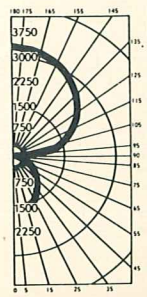
LARGE ELEMENT WITH POLYSTYRENE PLASTIC DISH

An eye-appealing polystyrene plastic pan with clean, modern architectural lines. Provides break resistance and light stability after prolonged use.



LE-PD SERIES

LE84-PD



MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0	2170	2124
10	2124	2124
20	2079	2079
30	2079	2034
40	1989	1989
45	1989	1944
50	1944	1898
60	1853	1853
70	1627	1763
80	1220	1627
90	181	316

Ceiling		80%			80%			50%			50%		
Floor		30%			10%			30%			10%		
Walls		50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
ROOM INDEX	ROOM RATIO	COEFFICIENTS OF UTILIZATION											
J	0.6	.19	.14	.10	.19	.14	.10	.16	.12	.09	.16	.12	.09
I	0.8	.26	.20	.16	.26	.20	.16	.21	.17	.13	.21	.16	.13
H	1.0	.33	.26	.21	.32	.25	.20	.26	.21	.17	.25	.21	.17
G	1.25	.39	.32	.27	.38	.31	.26	.31	.25	.21	.29	.25	.21
F	1.5	.45	.37	.31	.43	.39	.31	.34	.29	.25	.33	.28	.24
E	2.0	.53	.45	.39	.50	.43	.38	.39	.34	.30	.37	.33	.29
D	2.5	.59	.52	.46	.55	.49	.43	.43	.38	.34	.41	.37	.33
C	3.0	.64	.57	.51	.58	.53	.48	.46	.42	.38	.43	.40	.37
B	4.0	.70	.64	.58	.62	.59	.56	.49	.47	.43	.48	.45	.42
A	5.0	.76	.71	.66	.67	.63	.59	.52	.49	.47	.49	.46	.44

® THE HOLOPHANE COMPANY, INC.

CATALOG INFORMATION

LARGE ELEMENT WITH Cubex Louvers (Providing 45° x 45° Shielding)

(with 430-MA Slimline Lamps)

	LENGTH	WIDTH	NUMBER AND TYPE OF LAMPS
LE44-CL	4'	4'	4 F48T12
LE64-CL	6'	4'	4 F72T12
LE84-CL	8'	4'	4 F96T12
LE66-CL	6'	6'	6 F72T12
LE86-CL	8'	6'	6 F96T12

MAY BE PURCHASED ON SPECIAL ORDER FOR USE WITH 800-MA RAPID-START LAMPS

LARGE ELEMENT WITH Plastic Louvers (providing 45° x 45° shielding)

(with 430-MA Slimline Lamps)

	LENGTH	WIDTH	NUMBER AND TYPE OF LAMPS
LE44-PL	4'	4'	4 F48T12
LE64-PL	6'	4'	4 F72T12
LE84-PL	8'	4'	4 F96T12
LE66-PL	6'	6'	6 F72T12
LE86-PL	8'	6'	6 F96T12

MAY BE PURCHASED ON SPECIAL ORDER FOR USE WITH 800-MA RAPID-START LAMPS

LARGE ELEMENT WITH Polystyrene Plastic Dish

(with 430-MA Slimline Lamps)

	LENGTH	WIDTH	NUMBER AND TYPE OF LAMPS
LE44-PD	4'	4'	4 F48T12
LE64-PD	6'	4'	4 F72T12
LE84-PD	8'	4'	4 F96T12
LE66-PD	6'	6'	6 F72T12
LE86-PD	8'	6'	6 F96T12

MAY BE PURCHASED ON SPECIAL ORDER FOR USE WITH 800-MA RAPID-START LAMPS

LARGE ELEMENT WITH Holophane Prismalume Controlens®

(with 430-MA Slimline Lamps)

	LENGTH	WIDTH	NUMBER AND TYPE OF LAMPS
LE44-H	4'	4'	4 F48T12
LE64-H	6'	4'	4 F72T12
LE84-H	8'	4'	4 F96T12
LE66-H	6'	6'	6 F72T12
LE86-H	8'	6'	6 F96T12

MAY BE PURCHASED ON SPECIAL ORDER FOR USE WITH 800-MA RAPID-START LAMPS

® THE HOLOPHANE COMPANY, INC.

SPECIFICATIONS FOR LARGE ELEMENT LIGHTING

I. GENERAL DESCRIPTION. Fixture shall be square or rectangular in shape to a dimension in both directions which is an exact multiple of 2'. Shall be a general diffused luminaire shipped completely pre-assembled and wired, (less shielding) ready for rod set mounting. Shall be joinable in both directions to form larger areas.

II. CONSTRUCTION SPECIFICATIONS. A. Side enclosures shall be formed of 20 gauge steel and joined to form complete corners free from light leaks. Bottom lip shall be so formed that in side-by-side mounting or end-to-end mounting element junctions shall appear similar to the tees within the element. Shall contain knockouts on all four sides so that elements may be joined together in side-by-side or end-to-end mounting. **B.** Housing shall be formed of 20-gauge steel and shall form a wireway for continuous mounting. Top of housing shall be T-formed to receive slide clamp for mounting to rod set. Unit shall be levelled after installation. Housing shall contain ballasts and wiring necessary to operate the fixture. Housing shall contain knockouts for wiring. **C.** Aluminum cross tees shall provide exact 2' x 2' module in both directions. Shall be painted white. **D.** Shielding shall be square and fit in the grid in either direction. Shall be removable by lifting and sliding over, providing access to lamps.

III. Finish shall be Smithcraft Bonderite and Baked Enamel process.

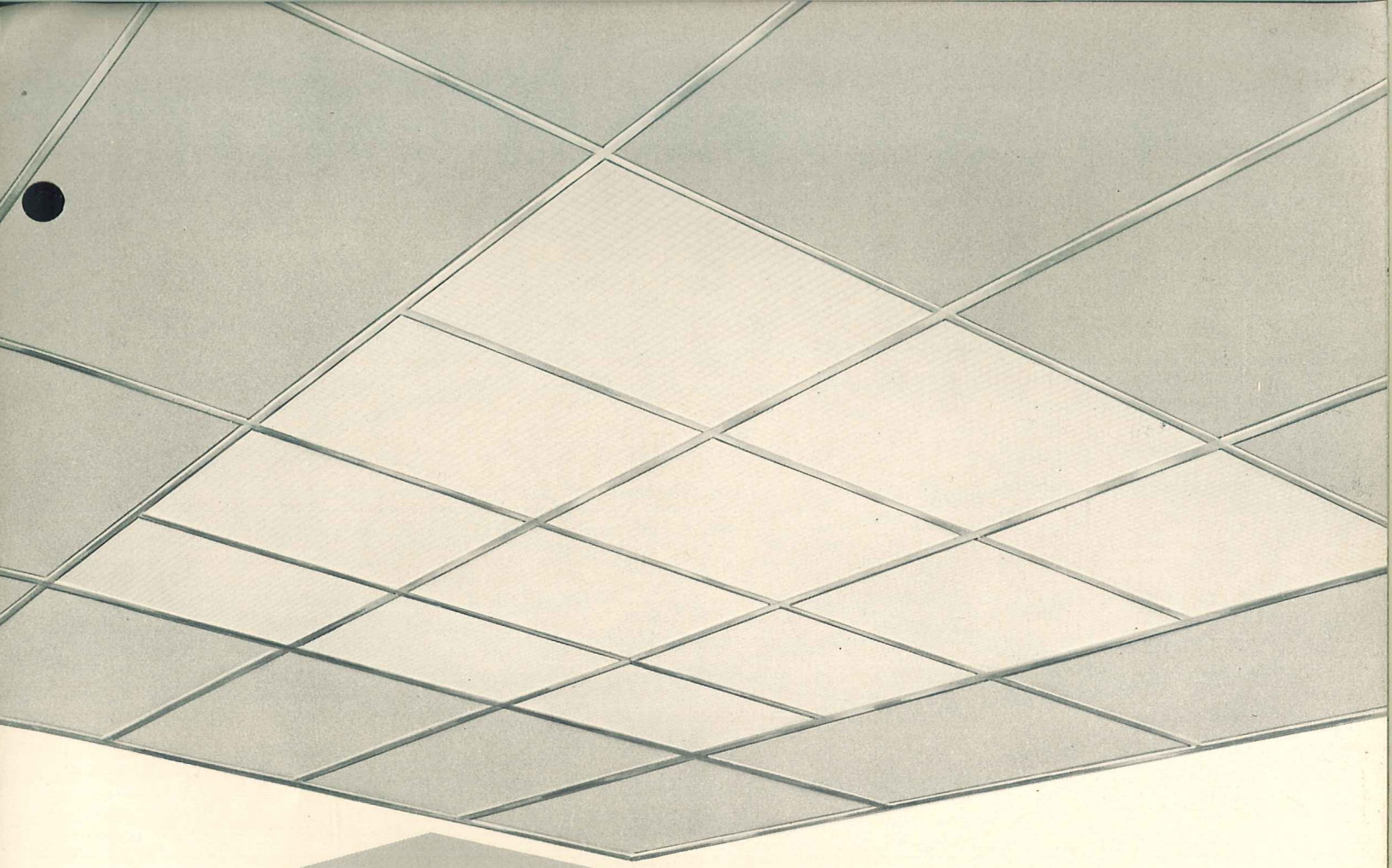
IV. A. Ballast shall be Slimline CBM certified (For 800-MA substitute "shall be Rapid-Start 800-MA CBM certified.") **B.** Lamp holders shall be ear mounted compressible-type, shall be removable without removing the bridge. **C.** Fixture shall bear the label of the Underwriters' Laboratories and shall bear the label of the I. B. E. W., A. F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

7-58 WP

Form No. 6108

PRINTED IN U.S.A.



NEW

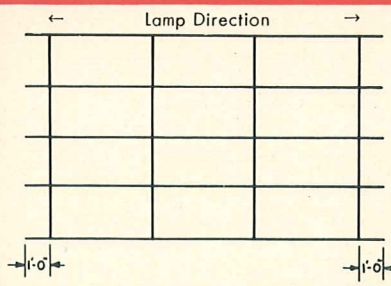
Smithcraft

AREA ILLUMINATION

presenting new opportunities for the creation of lighting effects with a custom-made appearance from standard elements

NEW EASE and ECONOMY OF INSTALLATION

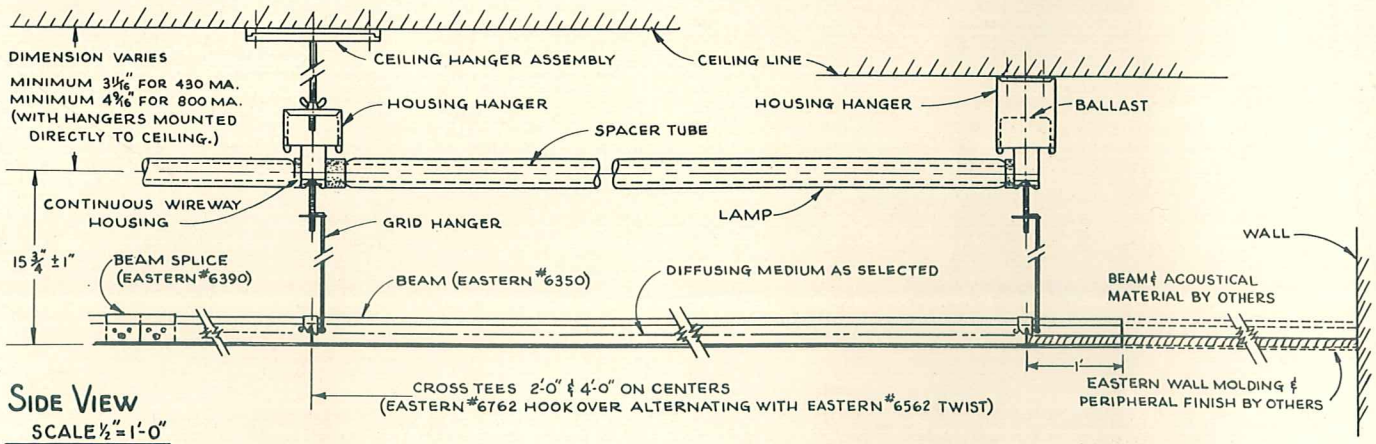
CONSTRUCTION and MOUNTING DETAILS of NEW S A I



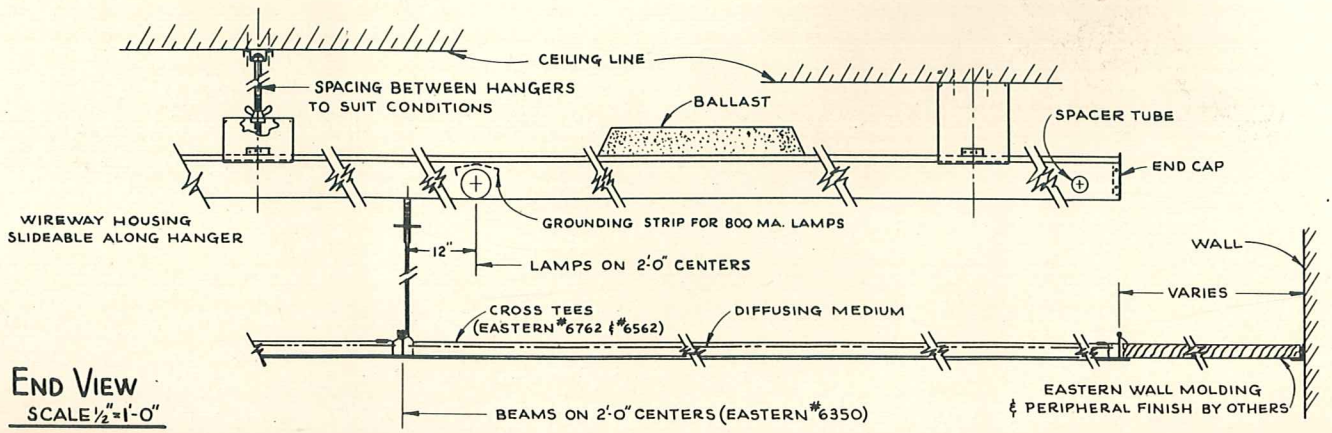
BEAMS ARE FURNISHED TO EXTEND 1' 0" BEYOND ELEMENT IN THE DIRECTION OF THE LAMPS

S. A. I. PARTS IDENTIFICATION

1. Ceiling Hanger
2. Housing Hanger Assembly (includes rod)
3. Housing
4. Spacer Tubes
5. Grid hanger
6. Beam (Eastern #6350)
7. Beam Splice (Eastern #6390)
8. Cross Tee (Eastern #6562) twist
9. Cross Tee (Eastern #6762) hook over
10. Diffusing Medium
11. Eastern Wall Angle Molding #6172 (by others)



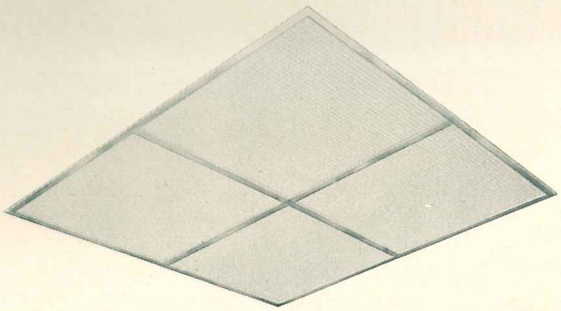
SIDE VIEW
SCALE ½"=1'-0"



END VIEW
SCALE ½"=1'-0"

Elements may be joined in direction of lamps with beam splicers automatically spacing elements 2' to receive acoustical tile. Elements may be joined side by side with lamps parallel to each other with no spacing between elements. Or they may be joined with 2' spacing (or any multiple of 2') between elements (by use of necessary cross, twist or main tees by others.)

SAI DIFFUSING MEDIA



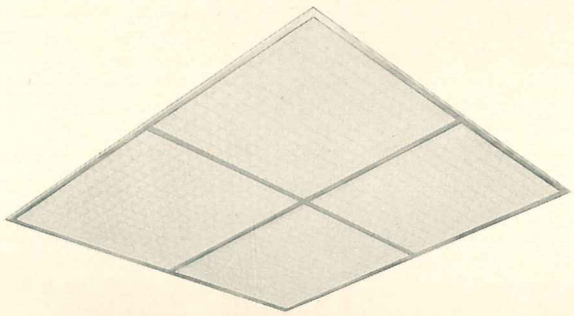
SAI with CUBEX ½" x ½" x ½" ALUMINUM LOUVERS CL- SERIES

Cubex Aluminum Louvers are a new achievement in shielding comfort and in beauty providing 45° x 45° shielding. Manufactured of aluminum by an exclusive Smithcraft process (patents pending) Cubex Louvers are finished in a special, non-specular baked white enamel for an unusual low brightness.

Maintenance Factors Good — .70 Medium — .65 Poor — .55

COEFFICIENTS OF UTILIZATION

Cavity	75%		
Walls	50%	30%	10%
Floor	14%		
J	.23	.19	.18
I	.26	.23	.21
H	.29	.26	.24
G	.32	.29	.27
F	.34	.31	.29
E	.36	.33	.32
D	.38	.35	.34
C	.39	.37	.36
B	.41	.39	.38
A	.42	.40	.39



SAI with STEEL LOUVERS

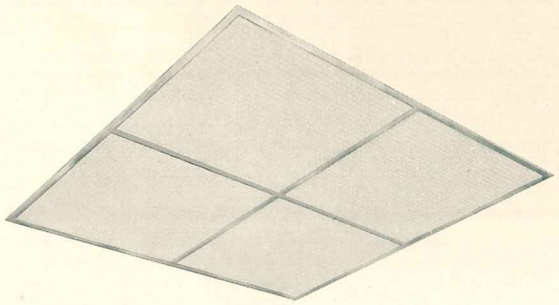
L- SERIES

Steel Louvers with 2" x 2" x 2" cells provide 45° x 45° shielding. Louvers are strong and rigid because they are permanently welded at each intersection by patented Smithcraft process. Finished in the Smithcraft Bonderite and Baked enamel process.

Maintenance Factors Good — .70 Medium — .65 Poor — .55

COEFFICIENTS OF UTILIZATION

Cavity	75%		
Walls	50%	30%	10%
Floor	14%		
J	.23	.19	.18
I	.26	.23	.21
H	.29	.26	.24
G	.32	.29	.27
F	.34	.31	.29
E	.36	.33	.32
D	.38	.35	.34
C	.39	.37	.36
B	.41	.39	.38
A	.42	.40	.39



SAI with PLASTIC LOUVERS

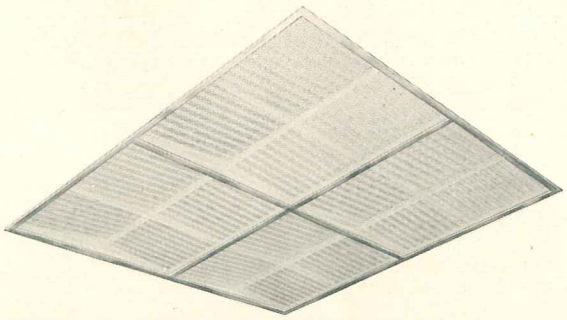
PL- SERIES

Plastic louvers provide a shadowless illumination 45° x 45° cut-off. These louvers are strong, light-weight and easy to handle.

Maintenance Factors Good — .65 Medium — .55 Poor — .45

COEFFICIENTS OF UTILIZATION

Cavity	75%		
Walls	50%	30%	10%
Floor	14%		
J	.25	.20	.19
I	.29	.25	.23
H	.32	.28	.26
G	.35	.32	.30
F	.38	.34	.32
E	.41	.38	.36
D	.43	.40	.39
C	.45	.42	.41
B	.47	.44	.43
A	.48	.46	.44



SAI with HOLOPHANE PRISMALUME CONTROLENS® #6024 H- SERIES

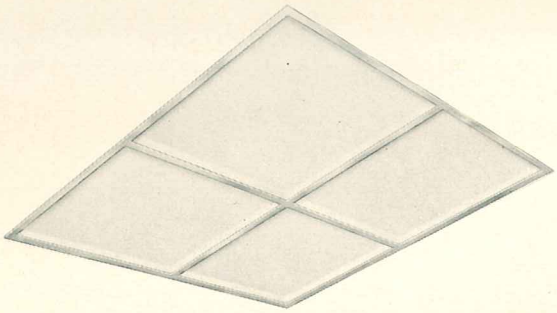
Holophane Prismalume Controlens® #6024 produces high lighting levels without visual discomfort. Has both longitudinal and transverse light control resulting in glare-free illumination and absence of shadows. Prismatic construction assures highest quality in appearance and in color stability.

Maintenance Factors Good — .65 Medium — .55 Poor — .45

COEFFICIENTS OF UTILIZATION

Cavity	75%		
Walls	50%	30%	10%
Floor	14%		
J	.25	.19	.15
I	.30	.25	.22
H	.36	.31	.27
G	.41	.35	.32
F	.44	.40	.36
E	.49	.45	.42
D	.52	.49	.46
C	.55	.52	.49
B	.58	.55	.53
A	.60	.58	.56

® THE HOLOPHANE COMPANY



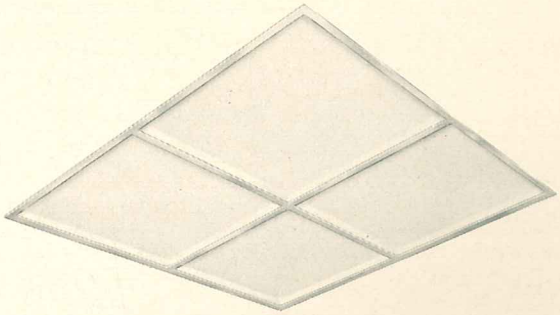
An eye-appealing polystyrene plastic pan with clean, modern architectural lines. Provides break resistance and light stability even after prolonged use.

Maintenance Factors Good — .65 Medium — .55 Poor — .45

SAI with POLYSTYRENE PLASTIC DISH

PD- SERIES COEFFICIENTS OF UTILIZATION

Cavity	75%		
Walls	50%	30%	10%
Floor	14%		
J	.22	.16	.12
I	.27	.22	.19
H	.33	.28	.24
G	.38	.32	.29
F	.41	.37	.33
E	.46	.42	.39
D	.49	.46	.43
C	.52	.49	.46
B	.55	.52	.50
A	.57	.55	.53



One-piece acrylic plastic pan provides maximum light transmission with excellent diffusion and lamp-hiding power. Color stable, resists breakage, easy to maintain.

Maintenance Factors Good — .65 Medium — .55 Poor — .45

SAI with ACRYLIC PLASTIC DISH

AD- SERIES COEFFICIENTS OF UTILIZATION

Cavity	75%		
Walls	50%	30%	10%
Floor	14%		
J	.25	.19	.15
I	.30	.25	.22
H	.36	.31	.27
G	.41	.35	.32
F	.44	.40	.36
E	.49	.45	.42
D	.52	.49	.46
C	.55	.52	.49
B	.58	.55	.53
A	.60	.58	.56

PROCEDURE FOR DETERMINING THE AVERAGE INTENSITY OF A SMITHCRAFT AREA ILLUMINATION INSTALLATION ASSUMING 90% OR MORE OF THE CEILING IS COVERED

1. Determine dimensions of space to be illuminated. Also effective ceiling height. See table of available sizes on back page.

2. Select shielding desired.

3. Select room index, and from tables on these pages select proper coefficients of utilization and maintenance factor.

4. Determine number of 4' and/or 8' lamps from table of standard sized elements on back page. Calculate number of lamp lumens in system by multiplying number of lamps by number of lumens per lamp which are as follows:

4' T12 Slimline lamps (F48T12/WW)	2400 lumens
8' T12 Slimline lamps (F96T12/WW)	5100 lumens
4' T12 800MA Rapid-Start lamps (F48T12HO/WW)	3350 lumens
8' T12 800MA (F96T12HO/WW)	7500 lumens

5. To determine average illumination, use following formula:

$$\frac{\text{Number of lamp lumens x coefficients of utilization x maintenance factor}}{\text{area}} = \text{average maintained illumination}$$

SEE BACK PAGE FOR STANDARD SAI ELEMENT SIZES AND FOR INFORMATION AS TO HOW TO ORDER SAI

NEW SMITHCRAFT AREA ILLUMINATION PROVIDES NEW VERSATILITY - NEW SIMPLICITY - NEW ECONOMY

New Smithcraft Area Illumination makes possible a wide selection of size, pattern, intensity, shielding and periphery. This versatility affords architects and engineers the opportunity for an almost infinite variety of lighting layouts — all using basic standard equipment. The system presents a new tool with which to create striking lighting effects and to implement one's own lighting ideas.

New Smithcraft Area Illumination represents an advance in ease of layout and ordering procedure. For average-sized installations, free from unusual complications, there is no need for formal factory layouts. Elements may be ordered directly from the catalog.

Because of simplified design, ease and economy of installation, substantial savings in this type of installation are effected. The system is extremely flexible and adaptable to future changes and developments. Diffusing media may be completely changed or moved at will, without the need of additional equipment.

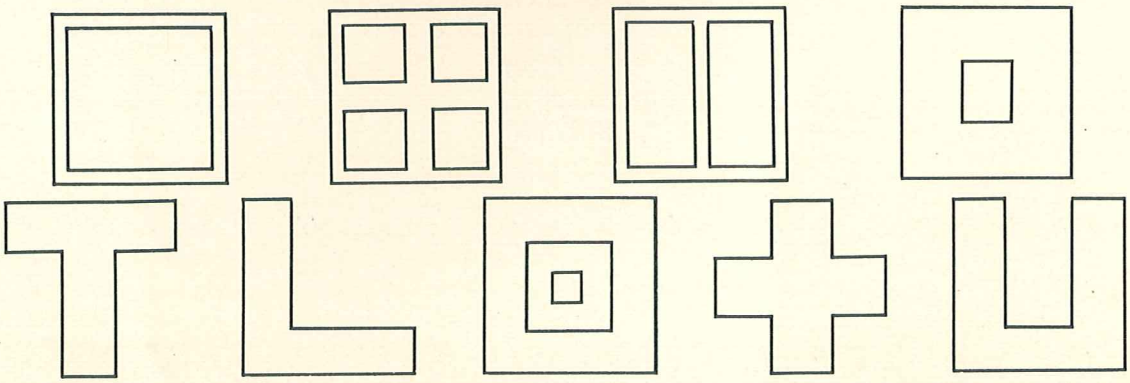
Because of its design, new SAI integrates shielding and lighting with the architecture and interior design of the building. An SAI element actually becomes one lighting fixture when installed, regardless of its dimensions. There are fewer supports to the ceiling and there are no complicated service connections to clutter the plenum and interfere with other services.

Acoustical peripheral treatment and acoustical areas between lighting elements are easily combined with Smithcraft Area Illumination.

Because the system is available with both T-12 Slimline lamps and 800-MA high output lamps, there is always a choice of two intensities for a given area. The system is available with six different catalogued shielding media (or with any 2' x 2' lay-in diffusing medium).

There is no finer quality lighting available today. Far higher levels of evenly-distributed illumination are now possible with unbelievable comfort. And the appearance of new Smithcraft Area Illumination is an important architectural and decorative asset.

Providing a wide flexibility of layout for those who plan lighting.



Above patterns, up to 24' in the direction of the lamps, may be formed with standard catalogued SAI elements. There are no size limitations in the direction perpendicular to the lamps. For patterns requiring SAI elements longer than 24' in the direction of the lamps, contact your Smithcraft representative or Smithcraft Lighting, Chelsea 50, Mass.

HOW TO ORDER SMITHCRAFT AREA ILLUMINATION (SAI)

1. Catalog numbers shown in the table below are for T-12 Slimline lamps. Where higher intensities are required 800 MA High Output Lamps are used. For 800-MA Rapid-Start Lamps, add "-800" to catalog numbers. Example: 84-800 is an 8' x 4' unit for 800-MA lamps.

2. To indicate desired shielding media add suffix letters to catalog number. Examples: Cat. No. 2420-PL is an SAI element 24' x 20' with Plastic Louvers. Cat. No. 1620-800H is an SAI element 16' x 20' for 800-MA lamps with Holophane Controlens® #6024.

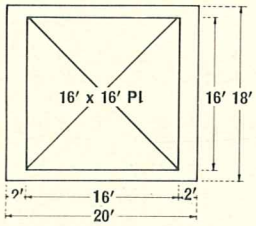
3. Be sure to supply cavity depth with order. It is necessary that we have this information so that we may supply rods of the proper length. Minimum dimension from existing ceiling to bottom of SAI is 21". Please also furnish us with dimensional sketch of the proposed layout including present ceiling height and finished SAI height.

4. SAI Elements larger than those shown in the table below may be ordered and formed by combining SAI elements side by side. Example: an element 24' x 48' may be formed by combining two 24' x 24' elements.

5. For larger areas which may not be formed by combining elements or for unusually-shaped areas or areas with obstructions contact your Smithcraft representative.

ORDERING EXAMPLE

6. For an area 18' x 20' where plastic louvers are desired as a shielding media and where 430-MA slimline lamps are desired to achieve a required intensity, SAI Element Cat. No. 1616PL may be selected from the table below.



SAI STANDARD SIZE ELEMENTS
(ELEMENTS SHOWN ARE WITH LAMPS ON 24" SPACING)

Catalog No.	SAI Element Size* (Illuminated Area) The first dimension shown below is always the dimension of the element in the direction of the lamp.	No. of 4' Lamps	No. of 8' Lamps
84	8' x 4'		2
88	8' x 8'		4
812	8' x 12'		6
820	8' x 20'		10
1212	12' x 12'	6	6
168	16' x 8'		8
1612	16' x 12'		12
1616	16' x 16'		16

No. Catalog	SAI Element Size* (Illuminated Area) The first dimension shown below is always the dimension of the element in the direction of the lamp.	No. of 4' Lamps	No. of 8' Lamps
1620	16' x 20'		20
2012	20' x 12'	6	12
2020	20' x 20'	10	20
248	24' x 8'		12
2412	24' x 12'		18
2416	24' x 16'		24
2420	24' x 20'		30
2424	24' x 24'		36

**The grid furnished is always 2' longer (1' on either side of the illuminated area) in the direction of the lamps than the first dimension shown above.*

RECOMMENDED ABBREVIATED SPECIFICATIONS FOR SMITHCRAFT AREA ILLUMINATION

1. GENERAL DESCRIPTION

Lighting shall be completely integrated fluorescent lighting to be assembled and installed as a single fixture or as a group of fixtures. System shall consist of adjustable ceiling hanger assemblies, housing hangers, wired housings, supporting grid and diffusing medium. The supporting grid shall be made up of architecturally true modules 24" ±0 by 24" ±0.

2. CONSTRUCTION SPECIFICATIONS

A. Ceiling hanger assemblies to be attached to ceiling by toggle bolts, expansion bolts, etc. Shall be vertically adjustable by means of a thumb wing nut.

B. Housing hangers shall support housings. Housings snap into hangers and shall be slideable in hangers.

C. Housings shall support ballasts and shall contain lampholders and electrical components. Housings shall be automatically spaced by means of spacer tubes which check into housings. Spacer tubes shall carry fixture or branch circuit wires.

D. Grounded Starter Strips (for use with 800-MA lamps) shall be inserted in clips on socket mounts and shall be installed without tools.

E. Diffusing medium (specify type) shall be supported by a grid structure which is suspended from the housings independent of wall or ceiling support. Hangers supporting this structure shall be vertically adjustable to permit levelling.

F. Grid structure shall consist of Eastern Beams #6350 and of Eastern Cross Tees #6562 and 6762 (alternating).

3. MAINTENANCE

A. For convenient relamping and maintenance the space between the shielding media and the electrical element shall be free of system supports or hangers to permit unobstructed movement of lamps.

4. WIRING REQUIREMENTS

A. U/L Listing. The lighting system shall bear the Underwriters' Laboratories label under Re-Examination Service. The lighting system shall bear the label of the I.B.E.W., A.F. of L.

B. Field Wiring. The number of branch circuit connections in the field for each system installation shall be at a minimum. It shall be possible to enter selected housings with branch circuit service and feed through spacer tubes to intermediate system housings in order to connect a maximum number of lamps up to the NEC limit for each branch circuit.

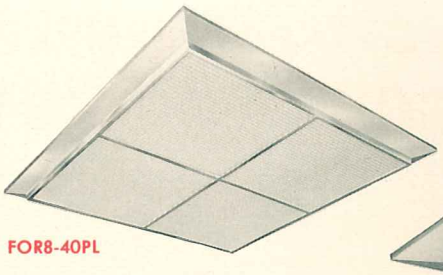
® THE HOLOPHANE COMPANY, INC.

Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

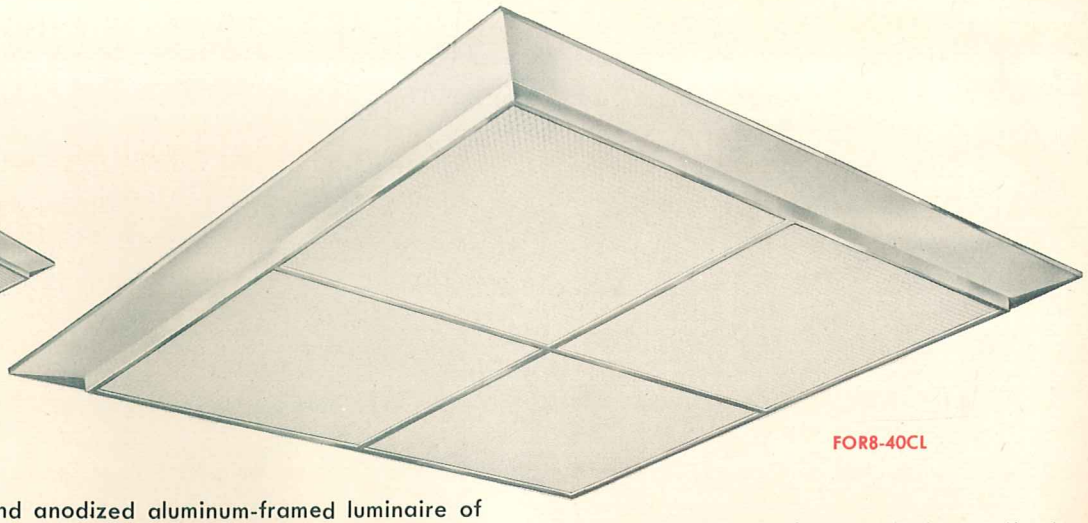
Form No. 620-7-58

Printed in U.S.A.

FOR8-40PL
FOR8-40CL
Light Distribution 0/100



FOR8-40PL



FOR8-40CL

FORUM is an extruded etched and anodized aluminum-framed luminaire of distinctive architectural beauty . . . eye-pleasing in appearance and in lighting characteristics. A large-area unit that lends prestige and dignity wherever it is installed, FORUM is without equal for banks, insurance companies, executive offices, lobbies, etc. The unit is nearly 35% larger than conventional 4′ x 4′ or 2′ x 4′ units, and displays a quiet elegance that is singularly impressive, and in excellent taste. Forum may also be furnished with an anodized bronze finish where bronze is desired to harmonize with interior decoration.

See Catalog Page B420 for FORUM with Holophane Prismalume Controlens® (Series FOR-H)

LIGHTING CHARACTERISTICS — FORUM, shielded by new Cubex Aluminum Louvers or Plastic Louvers, has excellent lighting characteristics. Smithcraft CUBEX louvers, with ½″ x ½″ x ½″ cells, provides 45° x 45° shielding in a low-bright and architecturally pleasing medium. Cubex louvers are made of aluminum, permanently locked at each intersection and finished in a low-bright, non-specular baked white enamel. FORUM with Plastic Louvers provides 45° x 45° shielding. Light emanating from FORUM'S sides creates a pleasing effect, illuminating not only the sides but also the surrounding ceiling.

MOUNTING — The FORUM is quickly and easily installed either surface or pendant. In surface mounting, the housing is installed with toggle bolts or lag screws through knockouts in the four corners of the unit . . . the one-piece shielding is then simply hooked on from either of two opposite sides. In pendant mounting, the unit is mounted by means of 4 stem sets (SS102) through knock-outs in the four corners of the unit.

MAINTENANCE — The one-piece shielding assembly is easily released from either side by simple finger action on positive spring-activated catches. The shielding assembly then swings down on heavy cast aluminum alloy hinges for relamping. The shielding assembly may be easily removed from either side by simply lifting from the unit without the use of tools or loose parts.

FOR-CL FOR-PL

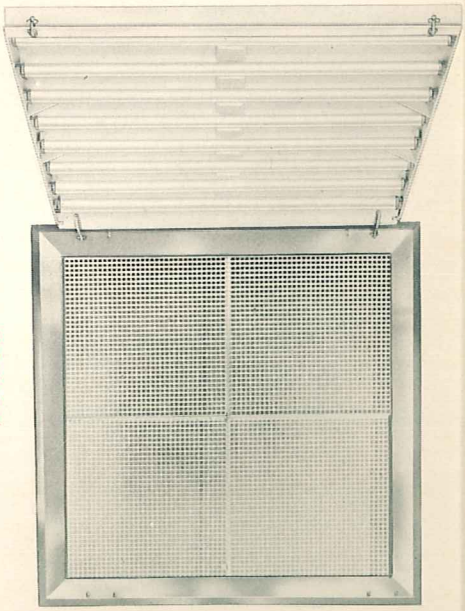
Smithcraft FORUM

with Cubex Aluminum Louvers (FOR-CL)
with Plastic Louvers (FOR-PL)
for RAPID-START BI-PIN LAMPS

Etched and anodized extruded aluminum frame with its mitred corners is completely free of visible rivets, screws, nuts or bolts.

Cross tees are of extruded aluminum.

Nearly 35% larger than conventional 4′ x 4′ or 2′ x 4′ units.



One-piece shielding assembly is easily released from either side by simple finger action on spring-activated catches.

FORUM is quickly and easily installed either surface or pendant.

45° x 45° shielding with Smithcraft Cubex Aluminum Louvers, or with Plastic Louvers.

Shielding assembly easily removed from either side by simply lifting off; no tools or loose parts needed.

CATALOG INFORMATION

CUBEX ½″ x ½″ x ½″ ALUMINUM LOUVERS (45° x 45° SHIELDING)
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.
	56″ x 56″ UNITS (4 x 4′ MODULE)	
FOR8-40CL	8 F40T12RS	90
FOR6-40CL	6 F40T12RS	85
	32″ x 56″ UNITS (2′ x 4′ MODULE)	
FOR4-40CL	4 F40T12RS	61
	PLASTIC LOUVERS (45° x 45° SHIELDING)	
	56″ x 56″ UNITS (4′ x 4′ MODULE)	
FOR8-40PL	8 F40T12RS	78
FOR6-40PL	6 F40T12RS	73
	32″ x 56″ UNITS (2′ x 4′ MODULE)	
FOR4-40PL	4 F40T12RS	55

NOTE: For the FORUM with anodized bronze finish, substitute catalog prefix "*FBR*" in place of *FOR*.

CANOPY AND STEM SET

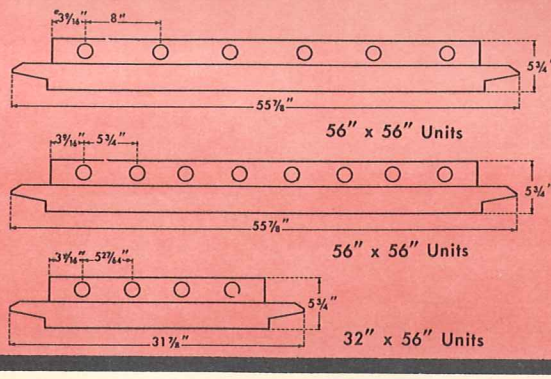
Catalog No. and Description
SS102 Canopy and stem set canopy, single 15″ steel stem (O.D. ½″), heavy canopy bar, fittings, stem is adjustable after installation. (4 required per unit)

®Holophane Company Inc.

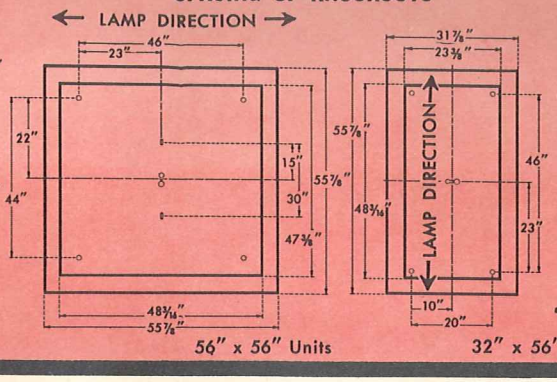
FORUM

FOR-C, FOR-PL

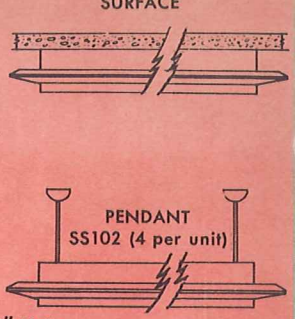
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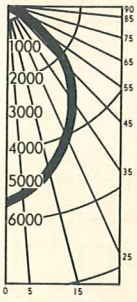


SPACING OF KNOCKOUTS



SUGGESTED MOUNTING





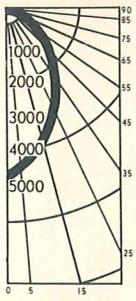
FOR8-40CL

MAXIMUM BRIGHTNESS

COEFFICIENTS OF UTILIZATION

Vertical Angle	Plane A	Plane B
0°	2396	2396
10°	2034	1853
20°	1718	1672
30°	1401	1220
40°	859	814
45°	633	588
50°	588	542
60°	452	452
70°	407	362
80°	271	271
90°	0	0

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.23	.20	.18	.22	.20	.18	.22	.19	.18	.22	.20	.18
I	0.8	.29	.25	.23	.28	.25	.23	.28	.25	.23	.27	.24	.22
H	1.0	.32	.29	.26	.31	.28	.26	.31	.28	.26	.30	.27	.26
G	1.25	.36	.32	.30	.34	.31	.29	.34	.31	.29	.33	.30	.29
F	1.5	.39	.35	.33	.36	.33	.31	.37	.34	.32	.35	.33	.31
E	2.0	.43	.39	.36	.39	.37	.35	.40	.37	.35	.38	.36	.34
D	2.5	.45	.42	.39	.41	.38	.37	.42	.40	.38	.39	.37	.36
C	3.0	.47	.44	.41	.42	.40	.38	.43	.41	.39	.40	.39	.37
B	4.0	.49	.47	.45	.43	.42	.40	.45	.44	.42	.42	.41	.40
A	5.0	.51	.49	.47	.44	.43	.42	.46	.45	.44	.43	.42	.41



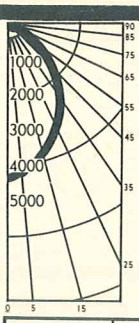
FOR6-40CL

MAXIMUM BRIGHTNESS

COEFFICIENTS OF UTILIZATION

Vertical Angle	Plane A	Plane B
0°	2350	2350
10°	2260	2034
20°	1944	1763
30°	1853	1311
40°	1220	723
45°	497	407
50°	362	316
60°	226	226
70°	226	226
80°	181	181
90°	0	0

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.25	.22	.19	.24	.22	.19	.24	.22	.19	.24	.21	.19
I	0.8	.31	.28	.25	.30	.27	.25	.30	.27	.25	.29	.27	.24
H	1.0	.35	.31	.29	.34	.30	.28	.34	.31	.28	.33	.30	.26
G	1.25	.40	.36	.32	.37	.34	.32	.38	.34	.32	.36	.33	.31
F	1.5	.43	.39	.36	.40	.37	.34	.40	.37	.35	.38	.36	.34
E	2.0	.47	.43	.40	.43	.40	.38	.44	.41	.39	.41	.39	.39
D	2.5	.49	.46	.43	.44	.42	.40	.46	.43	.41	.43	.41	.43
C	3.0	.51	.48	.46	.46	.44	.42	.47	.45	.43	.44	.43	.41
B	4.0	.54	.51	.49	.48	.46	.44	.50	.48	.46	.46	.44	.43
A	5.0	.56	.53	.51	.48	.47	.46	.51	.49	.48	.46	.45	.45



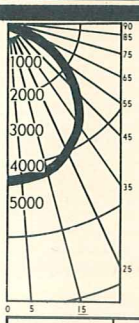
FOR8-40PL

MAXIMUM BRIGHTNESS

COEFFICIENTS OF UTILIZATION

Vertical Angle	Plane A	Plane B
0°	2350	2350
10°	1898	1898
20°	1627	1989
30°	1266	1672
40°	994	1311
45°	768	723
50°	678	678
60°	542	542
70°	452	452
80°	316	316
90°	0	0

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.24	.21	.18	.24	.21	.18	.24	.21	.18	.23	.20	.18
I	0.8	.31	.27	.24	.30	.26	.24	.29	.26	.24	.28	.26	.23
H	1.0	.35	.31	.28	.33	.30	.27	.33	.30	.27	.32	.29	.27
G	1.25	.39	.35	.32	.37	.34	.31	.37	.34	.31	.36	.33	.31
F	1.5	.42	.38	.35	.39	.36	.34	.40	.37	.34	.38	.35	.33
E	2.0	.47	.43	.40	.43	.40	.38	.44	.41	.38	.41	.39	.37
D	2.5	.49	.46	.43	.45	.42	.40	.46	.43	.41	.43	.41	.40
C	3.0	.52	.48	.45	.46	.44	.42	.48	.45	.43	.44	.43	.41
B	4.0	.54	.51	.49	.48	.46	.44	.50	.48	.46	.46	.45	.43
A	5.0	.56	.54	.52	.49	.48	.46	.52	.50	.48	.47	.46	.45



FOR6-40PL

MAXIMUM BRIGHTNESS

COEFFICIENTS OF UTILIZATION

Vertical Angle	Plane A	Plane B
0°	2215	2215
10°	1853	1989
20°	1401	1627
30°	1040	1311
40°	723	904
45°	588	633
50°	497	497
60°	407	407
70°	271	316
80°	181	226
90°	45	45

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.26	.22	.20	.25	.22	.20	.25	.22	.20	.25	.22	.20
I	0.8	.33	.29	.26	.32	.28	.26	.32	.28	.25	.30	.27	.25
H	1.0	.38	.33	.30	.36	.32	.29	.36	.32	.29	.35	.31	.29
G	1.25	.42	.38	.34	.40	.36	.33	.40	.36	.34	.38	.35	.33
F	1.5	.46	.41	.38	.48	.39	.36	.43	.40	.37	.41	.38	.36
E	2.0	.50	.46	.43	.46	.43	.40	.47	.44	.41	.44	.42	.40
D	2.5	.53	.49	.46	.48	.45	.43	.49	.47	.44	.46	.44	.42
C	3.0	.56	.52	.49	.50	.47	.45	.51	.49	.47	.48	.46	.44
B	4.0	.59	.55	.53	.52	.50	.48	.54	.52	.44	.50	.48	.47
A	5.0	.61	.58	.56	.53	.51	.50	.56	.54	.52	.51	.50	.49

NOTE: Photometric data for 32" x 56" units (4-light) available on request.

SPECIFICATIONS

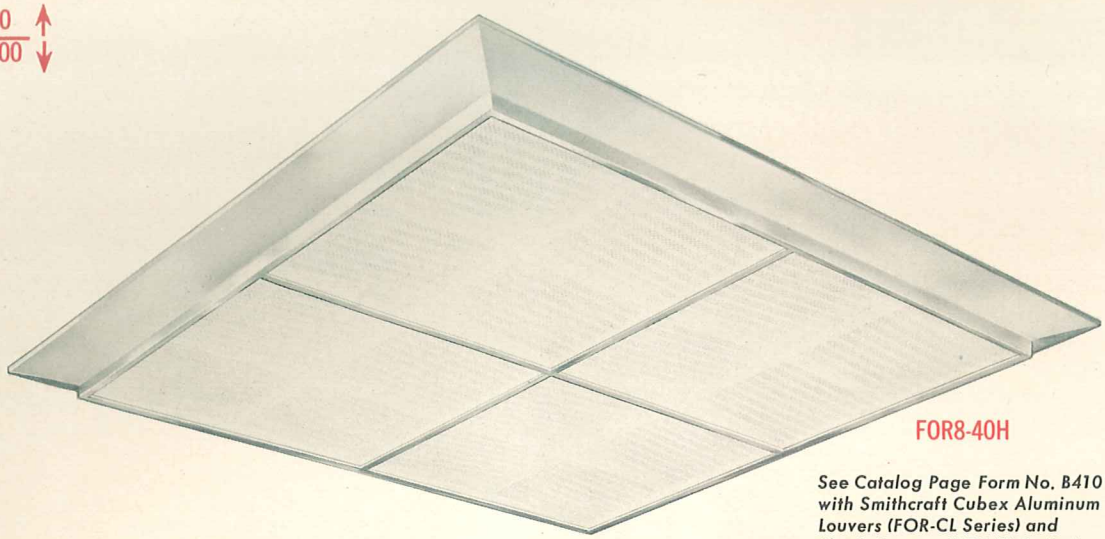
General: Fixture shall be direct, completely wired, ready for installation, surface or pendant. **Housing:** Shall be one-piece formed of 20-gauge steel with completely closed top. Shall enclose ballasts and contain knockouts for surface or pendant mounting. **Shielding Assembly:** Shall be one-piece assembly (56" x 56" overall size) (in 2' x 4' units substitute 32" x 56") with extruded etched and anodized aluminum frame with mitered corners and with aluminum cross tees of extruded aluminum. Shall hinge from either of two opposite sides on heavy cast aluminum alloy hinges; release by finger action on spring-activated catches, and remove by lifting from unit. **Shielding:** Shall be ½" x ½" x ½" aluminum louvers permanently locked at each intersection finished in white non-specular baked white enamel, providing 45° x 45° shielding. (For plastic louvers substitute "polystyrene plastic louvers, providing 45° x 45° shielding"). **Ballasts:** Shall be CBM-certified Rapid-Start H.P.F. **Finish:** Shall be high-temperature baked enamel on bonderized steel surfaces. Finish of frame — etched and anodized aluminum. Complete unit shall be UL-approved and bear the label of the I.B.E.W. and of the A.F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

WP-7-58

Form No. B410
Printed in U.S.A.

Light Distribution 0/100



FOR8-40H

See Catalog Page Form No. B410 for FORUM with Smithcraft Cubex Aluminum Louvers (FOR-CL Series) and Plastic Louvers (FOR-PL Series)

FOR-H

Smithcraft FORUM

for RAPID-START BI-PIN LAMPS with Holophane Prismalume Controlens® #6024

FORUM is an extruded etched and anodized aluminum-framed luminaire of distinctive architectural beauty . . . eye-pleasing in appearance and in lighting characteristics. A large-area unit that lends prestige and dignity wherever it is installed, FORUM is without equal for banks, insurance companies, executive offices, lobbies, etc. The unit is nearly 35% larger than conventional 4′ x 4′ or 2′ x 4′ units, and displays a quiet elegance that is singularly impressive, and in excellent taste. Forum may also be furnished with an anodized bronze finish where bronze is desired to harmonize with interior decoration.

LIGHTING CHARACTERISTICS — FORUM, shielded by Holophane Prismalume Controlens®, has excellent lighting characteristics. The shielding has both longitudinal and transverse light control, resulting in glare-free illumination and an absence of shadows. Prismatic construction assures highest quality in appearance and in color stability. Light emanating from FORUM'S sides creates a pleasing effect, illuminating not only the sides but also the surrounding ceiling

MOUNTING — The FORUM is quickly and easily installed either surface or pendant. In surface mounting, the housing is installed with toggle bolts or lag screws through knockouts in the four corners of the unit . . . the one-piece shielding is then simply hooked on from either of two opposite sides. In pendant mounting, the unit is mounted by means of 4 stem sets (SS102) through knockouts in the four corners of the unit.

MAINTENANCE — The one-piece shielding assembly is easily released from either side by simple finger action on positive spring-activated catches. The shielding assembly then swings down on heavy cast aluminum alloy hinges for relamping. The shielding assembly may be easily removed from either side by simply lifting from the unit without the use of tools or loose parts.

CATALOG INFORMATION

HOLOPHANE PRISMALUME CONTROLENS® #6024
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.
56″ x 56″ UNITS (4′ x 4′ MODULE)		
FOR8-40H	8 F40T12RS	94
FOR6-40H	6 F40T12RS	89
32″ x 56″ UNITS (2′ x 4′ MODULE)		
FOR4-40H	4 F40T12RS	63

NOTE: For the FORUM with anodized bronze finish, substitute catalog prefix "FBR" in place of "FOR".

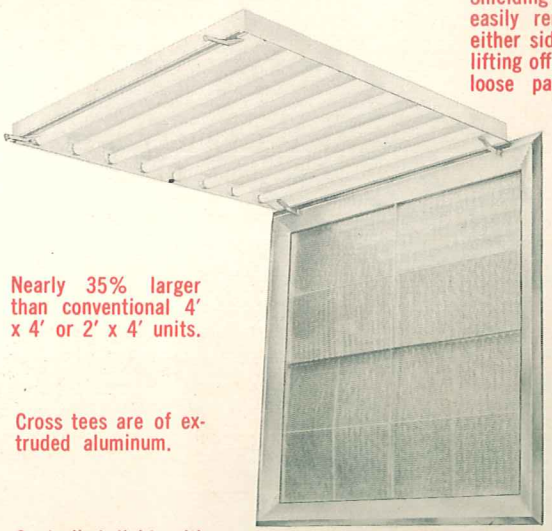
CANOPY AND STEM SET

Catalog No. and Description
SS102 Canopy and stem set canopy, single 15″ steel stem (O.D. ½″), heavy canopy bar, fittings, stem is adjustable after installation. (4 required per unit)

Etched and anodized extruded aluminum frame with mitred corners is completely free of visible rivets, screws, nuts or bolts.

One-piece shielding assembly is easily released from either side by simple finger action on spring-activated catches.

Shielding assembly easily removed from either side by simply lifting off; no tools or loose parts needed.



Nearly 35% larger than conventional 4′ x 4′ or 2′ x 4′ units.

Cross tees are of extruded aluminum.

Controlled light with Holophane Prismalume Controlens®.

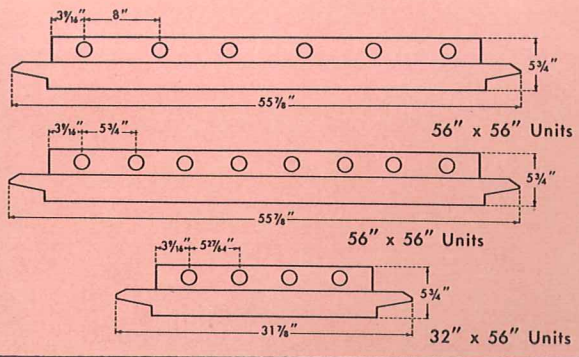
FORUM is quickly and easily installed either surface or pendant.

Smithcraft Lighting CHELSEA 50, MASSACHUSETTS

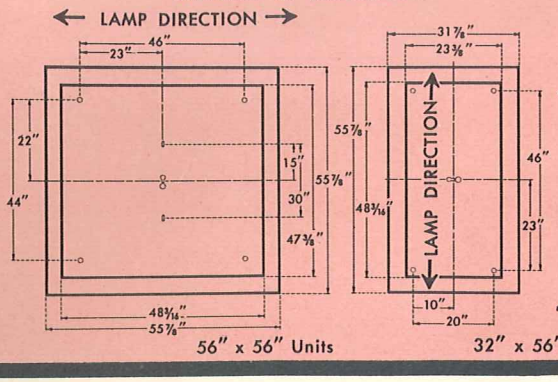
®Holophane Company Inc.

FORUM FOR-H

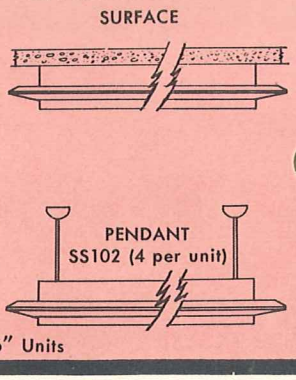
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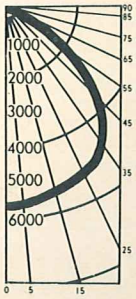
SPACING OF KNOCKOUTS



SUGGESTED MOUNTING



FOR8-40H



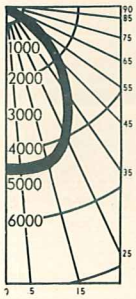
COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50 %	30 %	10 %	80% Ceiling 10% Floor 50 %	30 %	10 %	50% Ceiling 30% Floor 50 %	30 %	10 %	50% Ceiling 10% Floor 50 %	30 %	10 %
J	0.6		.32	.27	.24	.31	.27	.24	.31	.27	.24	.30	.26	.24
I	0.8		.41	.36	.32	.39	.35	.32	.39	.35	.32	.38	.34	.31
H	1.0		.47	.42	.38	.45	.40	.37	.45	.40	.37	.43	.39	.37
G	1.25		.53	.47	.43	.50	.45	.42	.50	.46	.42	.48	.44	.42
F	1.5		.57	.52	.47	.53	.49	.46	.54	.50	.46	.51	.48	.45
E	2.0		.63	.58	.54	.57	.54	.51	.59	.55	.52	.55	.53	.50
D	2.5		.67	.62	.58	.60	.57	.54	.62	.58	.55	.58	.55	.53
C	3.0		.70	.65	.62	.62	.59	.57	.64	.61	.58	.60	.58	.56
B	4.0		.73	.69	.66	.64	.62	.60	.67	.65	.62	.62	.60	.59
A	5.0		.76	.72	.70	.66	.64	.62	.69	.67	.65	.63	.62	.61

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	1808	1808
10°	1763	1672
20°	1672	1582
30°	1718	1446
40°	1672	1175
45°	1763	904
50°	1718	814
60°	904	588
70°	452	407
80°	362	407
90°	0	45

FOR6-40H



COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50 %	30 %	10 %	80% Ceiling 10% Floor 50 %	30 %	10 %	50% Ceiling 30% Floor 50 %	30 %	10 %	50% Ceiling 10% Floor 50 %	30 %	10 %
J	0.6		.33	.29	.25	.33	.28	.25	.32	.28	.25	.32	.28	.25
I	0.8		.43	.37	.33	.41	.37	.33	.41	.37	.33	.40	.36	.33
H	1.0		.49	.44	.39	.47	.42	.39	.47	.42	.39	.46	.41	.38
G	1.25		.56	.50	.45	.52	.47	.44	.53	.48	.44	.50	.47	.44
F	1.5		.60	.54	.50	.56	.51	.48	.57	.52	.49	.54	.50	.47
E	2.0		.66	.61	.56	.60	.56	.53	.62	.58	.54	.58	.55	.53
D	2.5		.70	.65	.61	.63	.60	.57	.65	.62	.58	.61	.58	.56
C	3.0		.73	.68	.65	.65	.62	.60	.67	.64	.61	.63	.60	.58
B	4.0		.77	.73	.69	.67	.65	.63	.71	.68	.65	.65	.63	.62
A	5.0		.79	.76	.73	.69	.67	.65	.73	.70	.68	.67	.65	.64

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	1537	1537
10°	1537	1492
20°	1446	1492
30°	1311	1266
40°	994	768
45°	723	814
50°	588	633
60°	362	271
70°	271	136
80°	181	181
90°	45	90

NOTE: Photometric data for 32" x 56" units (4-light) available on request.

SPECIFICATIONS

General: Fixture shall be direct, completely wired, ready for installation, surface or pendant. **Housing:** Shall be one-piece formed of 20-gauge steel with completely closed top. Shall enclose ballasts and contain knockouts for surface or pendant mounting. **Shielding Assembly:** Shall be one-piece assembly (56" x 56" overall size) (in 2' x 4' units substitute 32" x 56") with extruded etched and anodized aluminum frame with mitered corners and with aluminum cross tees of extruded aluminum. Shall hinge from either of two opposite sides on heavy cast aluminum alloy hinges; release by finger action on spring-activated catches, and remove by lifting from unit. **Shielding:** Shall be Holophane Prismalume Controlens® #6024. **Ballasts:** Shall be CBM-certified Rapid-Start H.P.F. **Finish:** Shall be high-temperature baked enamel on bonderized steel surfaces. Finish of frame — etched and anodized aluminum. Complete unit shall be UL-approved and bear the label of the the I.B.E.W. and of the A.F. of L.

®Holophane Company Inc.

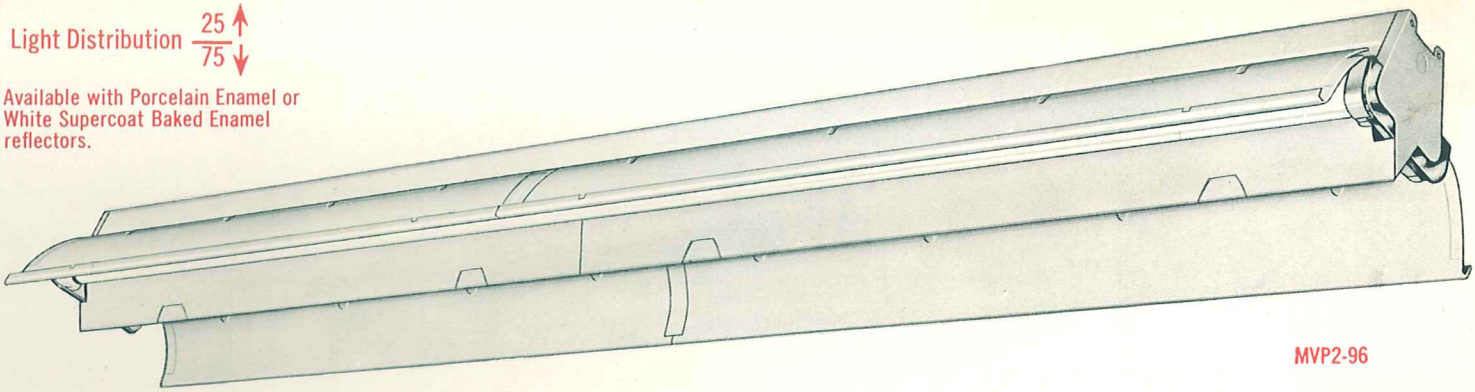
Form No. B420
Printed in U.S.A.

Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

WP-7-58

Light Distribution 25↑ / 75↓

Available with Porcelain Enamel or White Supercoat Baked Enamel reflectors.



MVP2-96

The Smithcraft MONITOR V-25 Factory Lighting unit is a beautifully-constructed and durable industrial fixture designed for top value and very long-term use in today's factories. Units with Porcelain Enamel Reflectors are RLM-approved.

LIGHTING CHARACTERISTICS — MONITOR V-25 units direct approximately 25% of the fixture output upwards through apertures that are collared for extra strength. V-constructed reflectors provide 30° crosswise shielding and shield the lamps with high efficiency and low brightness. The unit may be purchased with louvers for 30° crosswise and 30° lengthwise shielding (see other side).

MOUNTING — MONITOR V-25 units may be quickly and economically mounted individually or in continuous rows by any conventional method — rod, chain, messenger cable, etc. The housing is a flanged channel with integral rails for added strength and to receive slideable hangers. Plastic reflector couplings seal light leaks and align reflectors perfectly in continuous rows.

MAINTENANCE — MONITOR V-25 units feature low maintenance costs. Reflectors release easily by means of unobtrusive, yet easy-to-grasp V-shaped catches. Repositioning is positive and instantaneous. Turret lampholders provide trouble-free service and securely lock lamps in place. Ribbed reflectors are furnished in either White Porcelain Enamel or in White Supercoat Baked Enamel (the Smithcraft Bonderite and Baked Enamel Finish), both types with reflectance factor of not less than 85%.

MVS-MVP

Smithcraft

MONITOR V-25

FACTORY LIGHTING FOR 25% UPLIGHTING

CATALOG INFORMATION

BAKED ENAMEL REFLECTORS

FOR RAPID-START BI-PIN LAMPS	
Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps	
MVS2-40	2 F40T12RS
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.	
CMVS2-40 CMVS2-42	2 F40T12RS 4 F40T12RS (8′ Housing)

FOR 800-MA RAPID-START LAMPS	
Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.	
MVS2-96-800	2 F96T12HO
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.	
CMVS2-96-800	2 F96T12HO

FOR SLIMLINE LAMPS	
Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.	
MVS2-96	2 F96T12
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.	
CMVS2-96	2 F96T12

PORCELAIN ENAMEL REFLECTORS

FOR RAPID-START BI-PIN LAMPS	
Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps	
MVP2-40 RLM	2 F40T12RS
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.	
CMVP2-40 RLM CMVP2-42 RLM	2 F40T12RS 4 F40T12RS (8′ housing)

FOR 800-MA RAPID-START LAMPS	
Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps	
MVP2-96-800	2 F96T12HO
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.	
CMVP2-96-800	2 F96T12HO

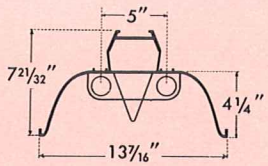
FOR SLIMLINE LAMPS	
Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.	
MVP2-96 RLM	2 F96T12
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.	
CMVP2-96 RLM	2 F96T12

ORDERING INFORMATION: Specify how units are to be hung, length of rows and number of rows. We can then check the correct quantity of accessories which may be required.

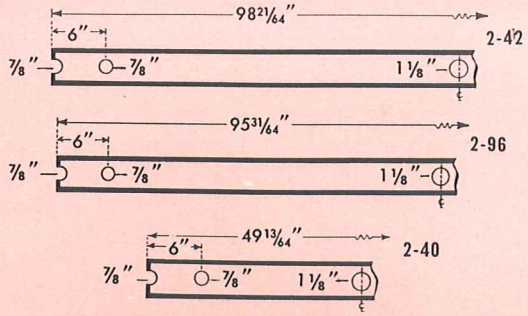
Smithcraft Lighting CHELSEA 50, MASSACHUSETTS

MONITOR V-25
MVS-MVP Series

END SECTION DIMENSIONS

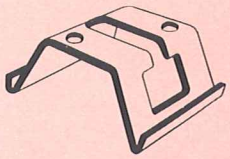


SPACING OF KNOCKOUTS



Hangers are safely and securely attached to the housing by simply sliding them into the the flanged channel which is the top of the housing from either end. Hangers may then be slid the full length of the housing and may be used anywhere along the housing length.

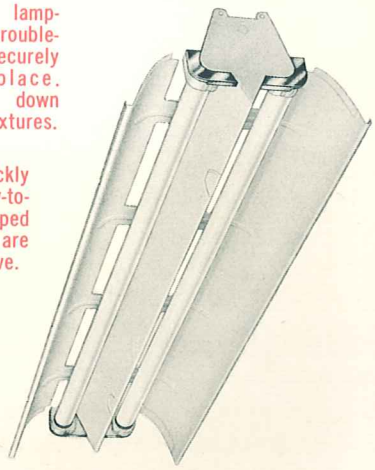
HE508



Newest type turret lampholders provide trouble-free service and securely lock lamps in place. Slanted front cuts down dark areas between fixtures.

Reflectors are quickly released by easy-to-grasp, captive V-shaped catches. Catches are white — unobtrusive.

Reflectors are ribbed for extra strength and rigidity. Provide 30° crosswise shielding.



Housing is a flanged channel with integral side rails for added strength and to receive slideable hangers permitting substantial installation savings.

Plastic inserts act as reflector couplings. Seal light leaks and line up reflectors perfectly in continuous rows.

Units with Porcelain Enamel reflectors are RLM-approved.

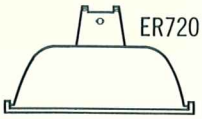
Approximately 25% uplighting through scientifically-designed apertures. Apertures are collared for extra strength.

V-type reflectors shield lamps with high efficiency and low brightness.

MONITOR LOUVERS FOR 30° x 30° SHIELDING*

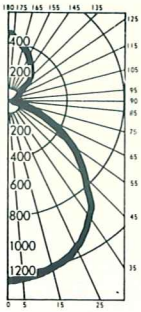
Available with 4′ louvers for 30° x 30° shielding. Side from which louver hinges is optional and may be changed at any time. Louvers are extremely strong and rigid because of permanent welding at each intersection and because of integral side rails. Louver releases by simple swivel catches.

**Requires use of Reflector End Closures, Cat. No.ER720, for individual mounting or for ends of continuous rows. End Closures, Cat. No.ER720, may also be used on units without louvers to close ends of reflectors, as desired.*



L317 — 4′ Monitor Louvers

MVP2-40



COEFFICIENTS OF UTILIZATION

		80% Ceiling 30% Floor			80% Ceiling 10% Floor			50% Ceiling 30% Floor			50% Ceiling 10% Floor		
Room Index	Room Ratio	Walls 50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6	.30	.25	.22	.30	.25	.22	.29	.24	.21	.28	.24	.21
I	0.8	.39	.34	.30	.38	.35	.29	.37	.32	.29	.36	.32	.29
H	1.0	.47	.40	.36	.45	.39	.36	.43	.38	.34	.42	.38	.34
G	1.25	.54	.47	.42	.51	.46	.42	.49	.44	.40	.47	.43	.40
F	1.5	.59	.52	.47	.56	.51	.46	.54	.48	.45	.51	.47	.44
E	2.0	.67	.60	.55	.62	.57	.53	.60	.55	.51	.57	.53	.50
D	2.5	.73	.66	.61	.67	.62	.58	.64	.60	.56	.61	.57	.55
C	3.0	.76	.70	.65	.69	.65	.61	.66	.63	.59	.63	.60	.57
B	4.0	.82	.77	.72	.73	.69	.66	.71	.67	.64	.65	.63	.60
A	5.0	.86	.81	.77	.76	.73	.70	.74	.70	.68	.68	.66	.64

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0°	4.6	4.6
10°	4.6	4.6
20°	4.5	4.6
30°	4.4	4.5
40°	4.6	4.4
45°	4.5	4.2
50°	4.3	4.0
55°	3.2	3.6
60°	1.9	3.1
65°	1.0	2.9
70°	0.7	2.4
80°	0.5	1.8
85°	0.4	0.1
90°	0.0	0.0

SPECIFICATIONS

Specifications: Fixture shall be a semi-direct unit of sturdy construction providing approximately 25% uplighting, mounted individually or in continuous rows. **Housing:** shall be one piece of 20-gauge steel, and shall be a flanged channel with integral rails to receive hangers. **Reflectors:** shall be 4′ of single assembly providing 30° crosswise shielding, ribbed in construction, with collared apertures providing approximately 25% uplighting. Shall enclose bottom of housing when attached by two captive, easily accessible catches. Shall be coupled by plastic reflector couplings to prevent light leaks and align units. **Lamp-holders:** shall be GE turret-type. **Ballasts:** shall be CBM-certified High Power Factor Rapid-Start Type. (Note: For Slimline units substitute "Ballasts shall be CBM-certified Slimline High Power Factor Type.") **Louvers:** (add where unit is louvered) shall be an all-steel, single assembly, permanently welded at each intersection with rigid side rails providing 30° crosswise and 30° lengthwise shielding. **Finish:** Housing shall be Baked White Enamel on bonderized steel surfaces. Reflectors shall be White Porcelain Enamel with reflectance factor of not less than 85%.(Note: For Baked Enamel reflector units add "Finish of reflectors shall be White Supercoat Baked Enamel on bonderized surfaces with reflectance of not less than 85%.) The complete unit shall be UL-approved, and bear the label of I.B.E.W., A.F. of L.

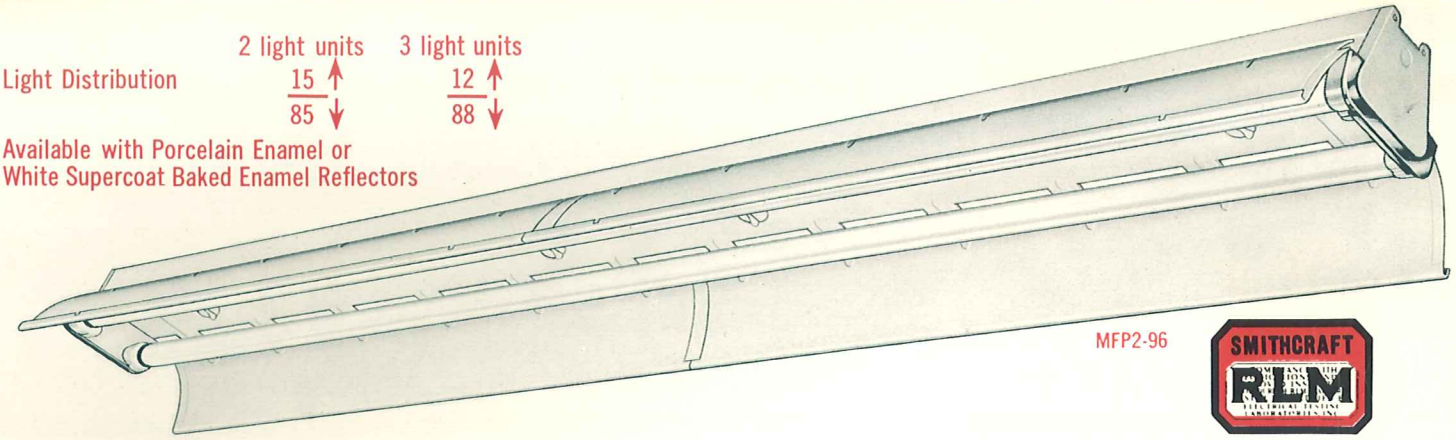
Smitheraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. D-530
Printed in U.S.A.

BL 6-58

Light Distribution — 2 light units: 15 ↑ / 85 ↓ — 3 light units: 12 ↑ / 88 ↓

Available with Porcelain Enamel or White Supercoat Baked Enamel Reflectors



MFP2-96

SMITHCRAFT RLM

MFS-MFP Smithcraft MONITOR

FACTORY LIGHTING FOR 15% UPLIGHTING

The Smithcraft MONITOR Factory Lighting unit is a strong, durable, beautifully-constructed industrial fixture, designed for top value lighting and long-term use in today's factories. MONITOR units with porcelain enamel reflectors are RLM-approved.

LIGHTING CHARACTERISTICS — The MONITOR series direct upwards approximately 15% of the fixture output in 2-light units — approximately 12% in 3-light units. Apertures are collared for extra strength. Reflectors provide 15° crosswise shielding. The unit may be purchased with louvers for ~~20°~~ 30° crosswise by 30° lengthwise shielding. (see other side).

MOUNTING — MONITOR units are quickly and economically mounted, individually or in continuous rows, by any conventional method — rod, chain, messenger cable, etc. The housing is a flanged channel with integral rails for added strength and to receive slideable hangers. Plastic reflector couplings seal light leaks and align reflectors perfectly in continuous rows.

MAINTENANCE — MONITOR units feature low maintenance costs. Reflectors release easily by means of unobtrusive, yet easy-to-grasp catches. Repositioning is positive and instantaneous. Turret lampholders provide trouble-free service and securely lock lamps in place. Ribbed reflectors are furnished in either White Porcelain Enamel or in Supercoat White Baked Enamel (the Smithcraft Bonderite and Baked Enamel Finish), with reflectance factor in both finishes of not less than 85%.

CATALOG INFORMATION

BAKED ENAMEL REFLECTORS

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps	
MFS2-40 MFS3-40	2 F40T12RS 3 F40T12RS
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.	
CMFS2-40 CMFS2-42 CMFS3-40 CMFS3-42	2 F40T12RS 4 F40T12RS (8′ Housing) 3 F40T12RS 6 F40T12RS (8′ Housing)

FOR 800-MA RAPID-START LAMPS

Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between reflectors.	
MFS2-96-800 MFS3-96-800	2 F96T12HO 3 F96T12HO
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.	
CMFS2-96-800 CMFS3-96-800	2 F96T12HO 3 F96T12HO

FOR SLIMLINE LAMPS

Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.	
MFS2-96 MFS3-96	2 F96T12 3 F96T12
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.	
CMFS2-96 CMFS3-96	2 F96T12 3 F96T12

PORCELAIN ENAMEL REFLECTORS

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps	
MFP2-40 (RLM) MFP3-40	2 F40T12RS 3 F40T12RS
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.	
CMFP2-40 (RLM) CMFP2-42 (RLM) CMFP3-40 CMFP3-42	2 F40T12RS 4 F40T12RS (8′ Housing) 3 F40T12RS 6 F40T12RS (8′ Housing)

FOR 800-MA RAPID-START LAMPS

Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between reflectors.	
MFP3-96-800 MFP2-96-800	2 F96T12HO 3 F96T12HO
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.	
CMFP2-96-800 CMFP3-96-800	2 F96T12HO 3 F96T12HO

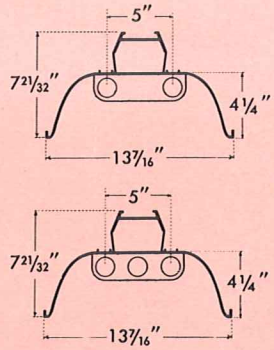
FOR SLIMLINE LAMPS

Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.	
MFP2-96 (RLM) MFP3-96	2 F96T12 3 F96T12
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and fixtures.	
CMFP2-96 (RLM) CMFP3-96	2 F96T12 3 F96T12

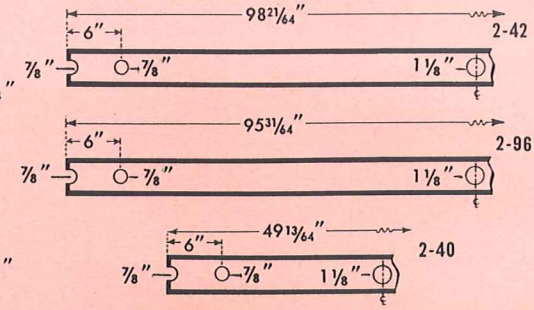
ORDERING INFORMATION: Specify how units are to be hung, length of rows and number of rows. We can then check the correct quantity of accessories which may be required.

MONITOR
MFS-MFP Series

END SECTION DIMENSIONS

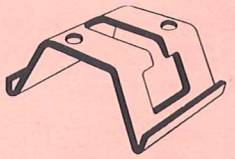


SPACING OF KNOCKOUTS



Hangers are safely and securely attached to the housing by simply sliding them into the the flanged channel which is the top of the housing from either end. Hangers may then be slid the full length of the housing and may be used anywhere along the housing length.

HE508

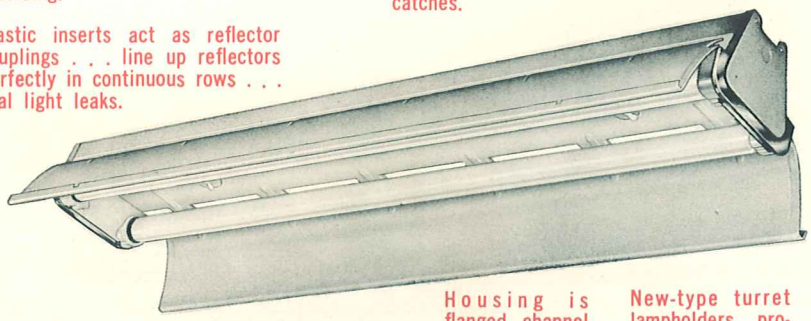


Reflectors are ribbed for extra strength . . . provide 15° crosswise shielding.

Reflectors are quickly released by white, easy-to-grasp captive catches.

Units with Porcelain Enamel reflectors are RLM-approved.

Plastic inserts act as reflector couplings . . . line up reflectors perfectly in continuous rows . . . seal light leaks.



Approximately 15% uplighting in 2-light units. Approximately 12% uplighting in 3-light units . . . through scientifically-designed collared apertures.

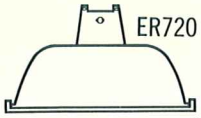
Housing is flanged channel with integral rails for added strength and to receive slideable hangers . . . permits substantial installation savings.

New-type turret lampholders provide trouble-free service and securely lock lamps in place. Slanted front reduces dark area between fixtures.

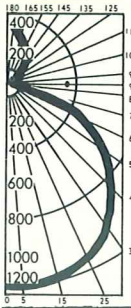
MONITOR LOUVERS FOR 30° x 30° SHIELDING*

Available with 4′ louvers for 30° x 30° shielding. Side from which louver hinges is optional and may be changed at any time. Louver releases by simple swivel catches. Louvers are extremely strong and rigid because of permanent welding at each intersection and because of integral side rails.

**Requires use of Reflector End Closures, Cat. No.ER720, for individual mounting or for ends of continuous rows. End Closures, Cat. No.ER720, may also be used on units without louvers to close ends of reflectors, as desired.*



L316 — 4′ MONITOR Louvers



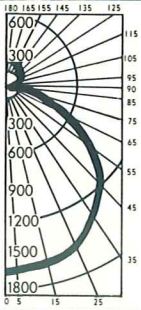
MFP2-40

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0°	4.9	4.9
10°	4.7	4.7
20°	4.5	4.6
30°	4.5	4.4
40°	4.4	4.3
45°	4.3	4.1
50	4.5	3.9
55°	4.7	3.7
60	4.7	3.5
65	4.7	3.1
70	2.0	2.8
80°	0.9	1.4
85°	0.6	0.5
90	0.0	0.0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.30	.25	.21	.29	.24	.21	.28	.24	.21	.28	.24	.21
I	0.8	.39	.33	.29	.38	.33	.29	.37	.32	.29	.36	.32	.28
H	1.0	.44	.40	.36	.45	.39	.35	.44	.39	.35	.42	.38	.34
G	1.25	.54	.47	.43	.51	.46	.42	.50	.45	.41	.49	.44	.41
F	1.5	.60	.53	.48	.56	.51	.47	.55	.50	.46	.53	.49	.45
E	2.0	.68	.61	.56	.63	.58	.54	.62	.57	.53	.59	.55	.52
D	2.5	.73	.67	.61	.67	.62	.58	.66	.62	.58	.63	.59	.56
C	3.0	.77	.71	.66	.70	.66	.62	.69	.65	.62	.65	.62	.59
B	4.0	.83	.78	.73	.74	.70	.67	.74	.70	.67	.69	.66	.63
A	5.0	.87	.82	.78	.77	.74	.71	.77	.74	.71	.71	.69	.67



MFP3-40

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0°	5.0	5.0
10°	5.0	5.1
20°	4.8	4.9
30°	5.2	3.3
40°	5.5	4.4
45°	5.7	4.4
50°	5.3	4.3
55°	5.8	4.0
60°	5.6	3.9
65°	5.1	3.5
70°	2.4	3.1
80°	1.2	2.0
85°	0.9	0.1
90°	0.0	0.0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.29	.25	.22	.28	.24	.22	.28	.24	.21	.28	.24	.21
I	0.8	.38	.33	.30	.37	.33	.29	.36	.32	.29	.36	.32	.29
H	1.0	.45	.40	.36	.44	.39	.36	.43	.39	.35	.42	.38	.35
G	1.25	.52	.47	.43	.50	.46	.42	.49	.45	.42	.48	.44	.41
F	1.5	.58	.52	.48	.55	.50	.47	.54	.50	.47	.52	.49	.46
E	2.0	.65	.59	.55	.60	.56	.53	.60	.56	.52	.57	.54	.51
D	2.5	.70	.65	.61	.64	.61	.58	.65	.61	.58	.61	.58	.56
C	3.0	.74	.69	.65	.67	.64	.62	.67	.65	.62	.63	.61	.59
B	4.0	.79	.76	.72	.70	.68	.66	.71	.69	.67	.67	.65	.64
A	5.0	.83	.80	.77	.73	.71	.70	.74	.73	.71	.70	.69	.68

SPECIFICATIONS

Specifications: Fixture shall be a semi-direct unit of sturdy construction providing approximately 15% uplighting (3-light units — 12%), mounted individually or in continuous rows. **Housing:** shall be one piece of 20-gauge steel. Shall be a flanged channel with integral rails for additional strength and to receive hangers. **Reflectors:** shall be 4′ of single assembly providing 15° crosswise shielding, ribbed in construction, with collared apertures providing approximately 15° uplighting (3-light units — 12%). Shall enclose bottom of housing when attached by two captive, easily accessible catches. Shall be coupled by plastic reflector couplings to prevent light leaks and align units. **Lampholders:** shall be GE turret-type. **Ballasts:** shall be CBM-certified High Power Factor. **Louvers:** (add where unit is louvered) shall be an all-steel single assembly permanently welded at each intersection with rigid side rails providing 30° crosswise and 30° lengthwise shielding. **Finish:** Housing shall be Baked White Enamel on bonderized steel surfaces. Reflectors shall be White Porcelain Enamel with reflectance factor of not less than 85%. (Note: For Baked Enamel reflector units add "Finish of reflectors shall be Baked White Enamel on bonderized surfaces with reflectance of not less than 85%.") The complete unit shall be U. L.-approved, and bear the label of I. B. E. W. of the A. F. of L.

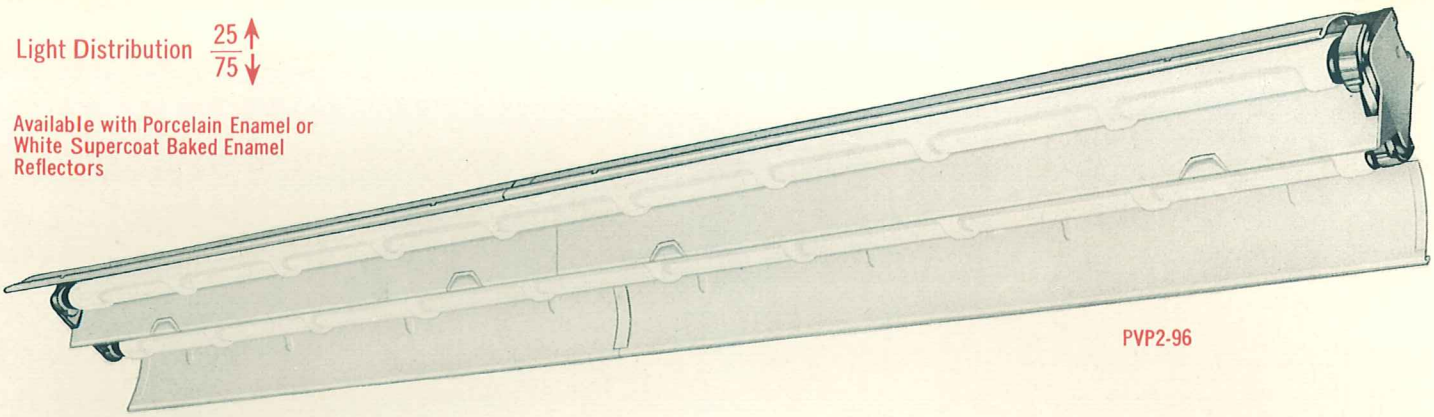
Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. D-520
Printed in U. S. A.

BL 6-58

Light Distribution 25 ↑ / 75 ↓

Available with Porcelain Enamel or White Supercoat Baked Enamel Reflectors



PVP2-96

Smithcraft Power-Groove Industrials are beautifully constructed factory lighting units that utilize the very high lumen output of the new Power-Groove lamps to provide real economic advantage along with comfortable lighting. Up to 2½ times higher lighting levels can now be obtained with a given number of fixtures *at a lower initial cost per footcandle*. These Smithcraft Power-Groove Industrials designed for top value and for very long-term use in today's factories mean a saving of between 5 and 20% on initial lighting investments.

PVS-PVP

Smithcraft

POWER-GROOVE INDUSTRIALS

FOR POWER-GROOVE LAMPS WITH 25% UPLIGHTING

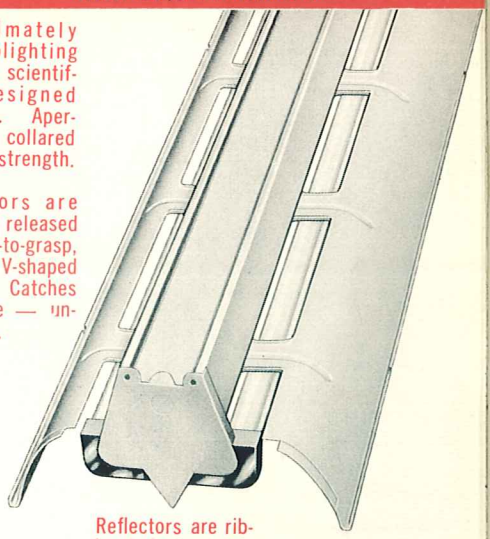
LIGHTING CHARACTERISTICS — Smithcraft Power-Groove Industrial units (PV series) direct approximately 25% of the fixture output upwards through apertures that are collared for extra strength. V-constructed reflectors provide 17° crosswise shielding and shield the lamps with high efficiency and low brightness. The unit may be purchased with louvers for 30° crosswise and 30° lengthwise shielding. (see other side.)

MOUNTING — These units may be quickly and economically mounted individually or in continuous rows by any conventional method — rod, chain, messenger cable, etc. The housing is a flanged channel with integral rails for added strength and to receive slideable hangers. Plastic reflector couplings seal light leaks and align reflectors perfectly in continuous rows.

MAINTENANCE — These units feature low maintenance costs. Reflectors release easily by means of unobtrusive, yet easy-to-grasp V-shaped catches. Repositioning is positive and instantaneous. Ribbed reflectors are furnished in either White Porcelain Enamel or in White Supercoat Baked Enamel (the Smithcraft Bonderite and Baked Enamel Finish,) both types with reflectance factor of not less than 85%.

Approximately 25% uplighting through scientifically-designed apertures. Apertures are collared for extra strength.

Reflectors are quickly released by easy-to-grasp, captive V-shaped catches. Catches are white — unobtrusive.



Plastic inserts act as reflector couplings. Seal light leaks and line up reflectors perfectly in continuous rows.

Reflectors are ribbed for extra strength and rigidity. Provide 17° crosswise shielding.

Housing is a flanged channel with integral side rails for added strength and to receive slideable hangers permitting substantial installation savings.

V-type reflectors shield lamps with high efficiency and low brightness.

Up to 2½ times higher lighting levels from a given number of fixtures are possible with the new Power-Groove lamps.

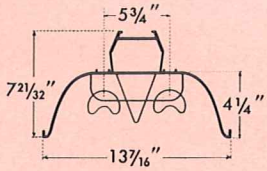
CATALOG INFORMATION

FOR POWER-GROOVE LAMPS

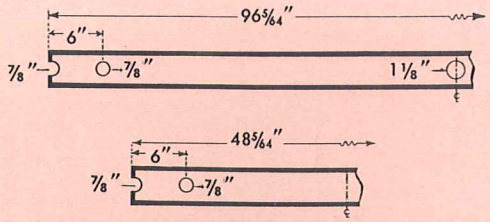
BAKED ENAMEL REFLECTORS		PORCELAIN ENAMEL REFLECTORS	
Catalog No.	No. and Type of Lamps	Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.			
PVS2-96 PVS2-48	2 F96PG17 2 F48PG17	PVP2-96 PVP2-48	2 F96PG17 2 F48PG17
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.			
CPVS2-96 CPVS2-48	2 F96PG17 2 F48PG17	CPVP2-96 CPVP2-48	2 F96PG17 2 F48PG17

PVS-PVP SERIES

END SECTION DIMENSIONS



SPACING OF KNOCKOUTS



Hangers are safely and securely attached to the housing by simply sliding them into the the flanged channel which is the top of the housing from either end. Hangers may then be slid the full length of the housing and may be used anywhere along the housing length.

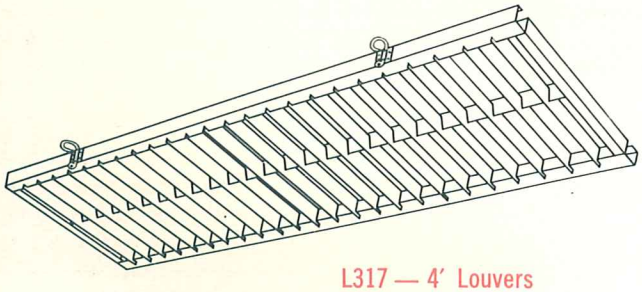


HE508

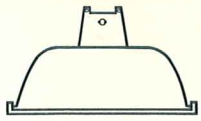
LOUVERS FOR 30° x 30° SHIELDING*

Available with 4′ louvers for 30° x 30° shielding. Side from which louver hinges is optional and may be changed at any time. Louvers are extremely strong and rigid because of permanent welding at each intersection and because of integral side rails. Louver releases by simple swivel catches.

**Requires use of Reflector End Closures, Cat. No. ER720, for individual mounting or for ends of continuous rows. End Closures, Cat. No. ER720, may also be used on units without louvers to close ends of reflectors, as desired.*

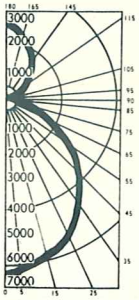


L317 — 4′ Louvers



ER720

PVP2-96



COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.33	.28	.25	.32	.28	.25	.32	.28	.25	.31	.28	.25
I	0.8		.42	.37	.34	.41	.36	.33	.41	.37	.33	.40	.35	.33
H	1.0		.50	.44	.40	.48	.43	.40	.48	.43	.39	.46	.42	.39
G	1.25		.57	.50	.46	.54	.49	.46	.54	.49	.46	.52	.48	.45
F	1.5		.62	.56	.51	.59	.54	.51	.59	.54	.51	.57	.53	.51
E	2.0		.69	.63	.58	.64	.60	.56	.65	.60	.57	.62	.58	.55
D	2.5		.74	.68	.64	.68	.64	.61	.69	.66	.61	.65	.62	.60
C	3.0		.78	.72	.68	.70	.67	.64	.72	.68	.65	.68	.65	.62
B	4.0		.82	.78	.73	.73	.70	.67	.75	.72	.69	.70	.68	.66
A	5.0		.86	.82	.78	.76	.73	.71	.79	.76	.73	.72	.71	.69

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0°	5.8	5.8
10°	5.5	6.0
20°	5.3	5.6
30°	4.6	5.5
40°	4.8	5.5
45°	4.4	5.0
50°	3.4	5.1
55°	2.0	4.9
60°	1.0	4.9
65°	0.8	4.0
70°	0.6	3.5
80°	0.5	2.0
85°	0.2	0.3
90°	0.0	0.0

SPECIFICATIONS

Specifications: Fixture shall be a semi-direct unit of sturdy construction providing approximately 25% uplighting, mounted individually or in continuous rows. **Housing:** shall be one piece of 20-gauge steel, and shall be a flanged channel with integral rails to receive hangers. **Reflectors:** shall be 4′ of single assembly providing 17° of crosswise shielding, ribbed in construction, with collared apertures providing approximately 25% uplighting. Shall enclose bottom of housing when attached by two captive, easily accessible catches. Shall be coupled by plastic reflector couplings to prevent light leaks and align units. **Ballasts:** shall be H.P.F., U.L.-approved. **Louvers:** (add where unit is louvered) shall be an all-steel single assembly, permanently welded at each intersection with rigid side rails providing 30° crosswise and 30° lengthwise shielding. **Finish:** Housing shall be Baked White Enamel on bonderized steel surfaces. Reflectors shall be White Porcelain Enamel with reflectance factor of not less than 85%. (Note: For Baked Enamel reflector units add "Finish of reflectors shall be White Supercoat Baked Enamel on bonderized surfaces with reflectance of not less than 85%".) The complete unit shall be UL-approved and bear the label of I. B. E. W., A. F. of L.

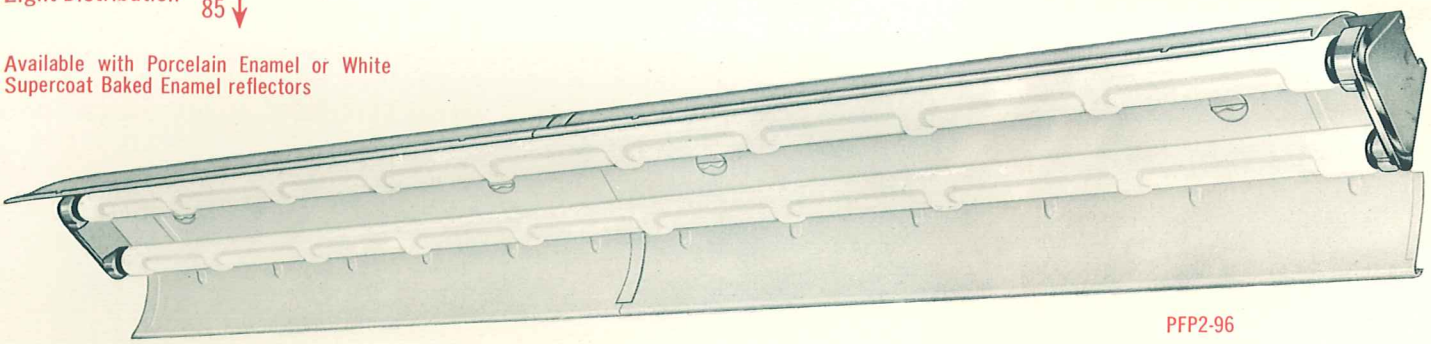
Form No. D-550
Printed in U. S. A.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

BL 6-58

Light Distribution $\frac{15\uparrow}{85\downarrow}$

Available with Porcelain Enamel or White Supercoat Baked Enamel reflectors



PFP2-96

Smithcraft Power-Groove Industrials are beautifully constructed factory lighting units that utilize the very high lumen output of the new Power-Groove lamps to provide real economic advantage along with comfortable lighting. Up to 2½ times higher lighting levels can now be obtained with a given number of fixtures *at a lower initial cost per footcandle*. These Smithcraft Power-Groove Industrials designed for top value and for very long-term use in today's factories mean a saving of between 5 and 20% on initial lighting investments.

PFS-PFP

Smithcraft

POWER-GROOVE INDUSTRIALS

FOR POWER-GROOVE LAMPS WITH 15% UPLIGHTING

LIGHTING CHARACTERISTICS — The Smithcraft Power-Groove (PF series) directs approximately 15% of the fixture output upwards through apertures that are collared for extra strength. Reflectors provide 11° crosswise shielding. The unit may be purchased with louvers for ~~16°~~ 30° crosswise by 30° lengthwise shielding. (see other side.)

MOUNTING — These units are quickly and economically mounted, individually or in continuous rows, by any conventional method — rod, chain, messenger cable, etc. The housing is a flanged channel with integral rails for added strength to receive slideable hangers. Plastic reflector couplings seal light leaks and align reflectors in continuous rows.

MAINTENANCE — These units feature low maintenance costs. Reflectors release easily by means of unobtrusive, yet easy-to-grasp catches. Repositioning is positive and instantaneous. Ribbed reflectors are furnished in either White Porcelain Enamel or in White Supercoat Baked Enamel (the Smithcraft Bonderite and Baked Enamel finish), both types with reflectance factor of not less than 85%.

Up to 2½ times higher lighting levels from a given number of fixtures are possible with the new Power-Groove Lamps.

Approximately 15% uplighting though scientifically-designed collared apertures.



Reflectors are ribbed for extra strength . . . provide 11° cross-wise shielding.

Housing is flanged channel with integral rails for added strength and to receive slideable hangers . . . permits substantial installation savings.

Plastic inserts act as reflector couplings . . . line up reflectors perfectly in continuous rows . . . seal light leaks.

Reflectors are quickly released by white, easy-to-grasp captive catches.

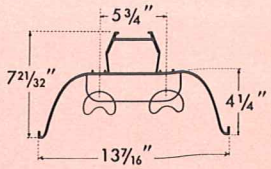
CATALOG INFORMATION

FOR POWER GROOVE LAMPS

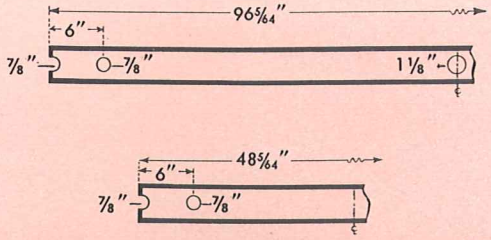
BAKED ENAMEL REFLECTORS		PORCELAIN ENAMEL REFLECTORS	
Catalog No.	No. and Type of Lamps	Catalog No.	No. and Type of Lamps
INDIVIDUAL — Fixture with end caps. Includes plastic reflector couplings between 4′ reflectors.			
PFS2-96 PFS2-48	2 F96PG17 2 F48PG17	PFP2-96 PFP2-48	2 F96PG17 2 F48PG17
CONTINUOUS ROW — Fixture with housing connector and end caps. Includes plastic reflector couplings between 4′ reflectors and between fixtures.			
CPFS2-96 CPFS2-48	2 F96PG17 2 F48PG17	CPFP2-96 CPFP2-48	2 F96PG17 2 F48PG17

PFS-PFP SERIES

END SECTION DIMENSIONS

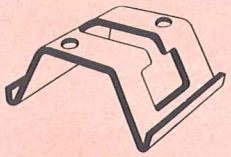


SPACING OF KNOCKOUTS



Hangers are safely and securely attached to the housing by simply sliding them into the the flanged channel which is the top of the housing from either end. Hangers may then be slid the full length of the housing and may be used anywhere along the housing length.

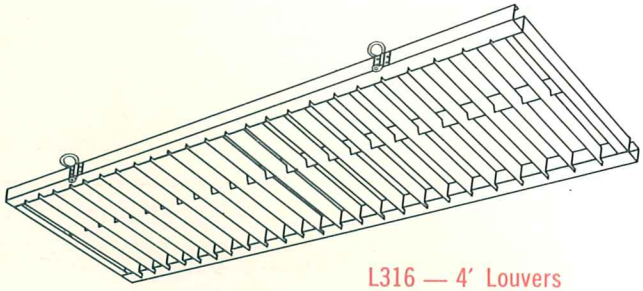
HE508



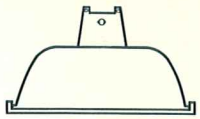
LOUVERS FOR 30° x 30° SHIELDING*

Available with 4′ louvers for 30° x 30° shielding. Side from which louver hinges is optional and may be changed at any time. Louver releases by simple swivel catches. Louvers are extremely strong and rigid because of permanent welding at each intersection and because of integral side rails.

*Requires use of Reflector End Closures, Cat. No.ER720, for individual mounting or for ends of continuous rows. End Closures, Cat. No.ER720, may also be used on units without louvers to close ends of reflectors, as desired.

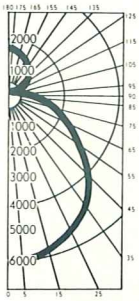


L316 — 4′ Louvers



ER720

PFP2-96



COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6	.30	.25	.22	.30	.25	.22	.29	.26	.20	.29	.24	.21
I	0.8	.39	.34	.30	.38	.33	.30	.38	.33	.29	.37	.32	.29
H	1.0	.47	.41	.36	.45	.40	.37	.44	.39	.35	.43	.38	.35
G	1.25	.54	.48	.43	.52	.46	.42	.51	.46	.42	.49	.44	.41
F	1.5	.59	.52	.47	.56	.50	.46	.54	.49	.45	.52	.48	.44
E	2.0	.68	.61	.56	.63	.59	.54	.62	.57	.53	.59	.55	.52
D	2.5	.73	.67	.62	.67	.62	.58	.67	.62	.58	.63	.59	.56
C	3.0	.77	.71	.66	.70	.66	.63	.69	.65	.62	.65	.62	.60
B	4.0	.83	.78	.73	.74	.71	.67	.74	.70	.67	.69	.66	.64
A	5.0	.87	.82	.78	.87	.74	.71	.77	.74	.71	.73	.71	.69

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0°	5.5	5.5
10°	5.4	5.2
20°	5.2	4.6
30°	4.7	4.4
40°	4.7	4.4
45°	3.8	4.4
50°	3.7	4.1
55°	3.5	4.1
60°	3.5	4.0
65°	3.7	3.3
70°	2.3	3.1
80°	0.8	2.2
85°	0.5	1.3
90°	0.0	0.1

SPECIFICATIONS

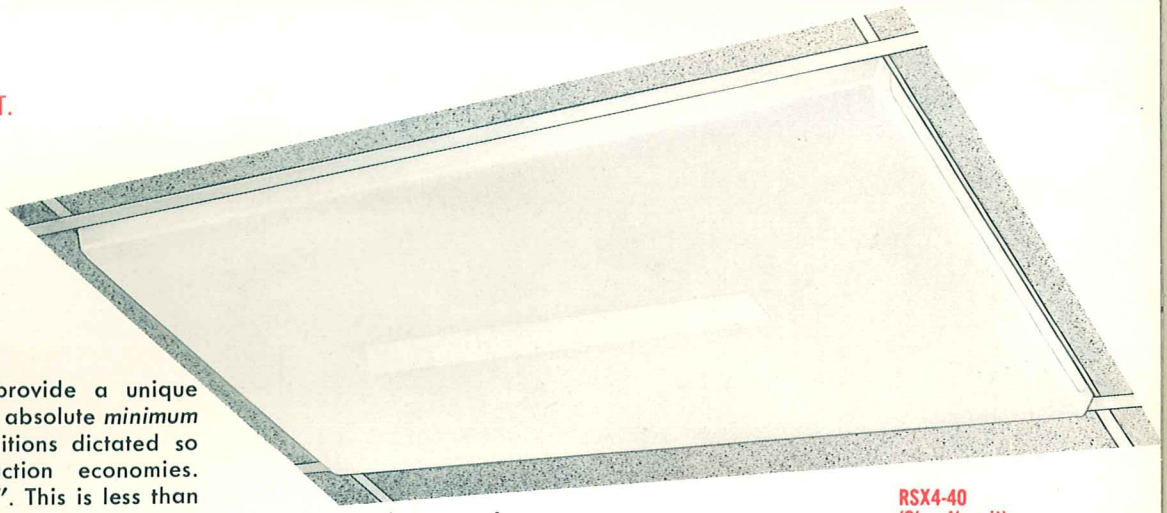
Specifications: Fixture shall be a semi-direct unit of sturdy construction providing approximately 15% uplighting, mounted individually or in continuous rows. **Housing:** shall be one piece of 20-gauge steel. Shall be a flanged channel with integral rails for additional strength and to receive hangers. **Reflectors:** shall be 4′ of single assembly providing 11° crosswise shielding, ribbed in construction, with collared apertures providing approximately 15% uplighting. Shall enclose bottom of housing when attached by two captive, easily accessible catches. Shall be coupled by plastic reflector couplings to prevent light leaks and align units. **Ballasts:** shall be H.P.F., UL-approved. **Louvers:** (add where unit is louvered) shall be an all-steel single assembly permanently welded at each intersection with rigid side rails providing 30° crosswise and 30° lengthwise shielding. **Finish:** Housing shall be Baked White Enamel on bonderized steel surfaces. Reflectors shall be White Porcelain Enamel with reflectance factor of not less than 85%. (Note: For Baked Enamel reflector units add "Finish of reflectors shall be White Supercoat Baked Enamel on bonderized surfaces with reflectance of not less than 85%".) The complete unit shall be UL-approved, and bear the label of I. B. E. W. of the A. F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. D-540
Printed in U. S. A.

BL 6-58

NOTE: SLENDEX UNITS ARE ALSO AVAILABLE FOR SURFACE MOUNTING. SEE CAT. PAGE #B400



RSX4-40
(2′ x 4′ unit)

RSX

Smithcraft

SLENDEX

(RECESSED)

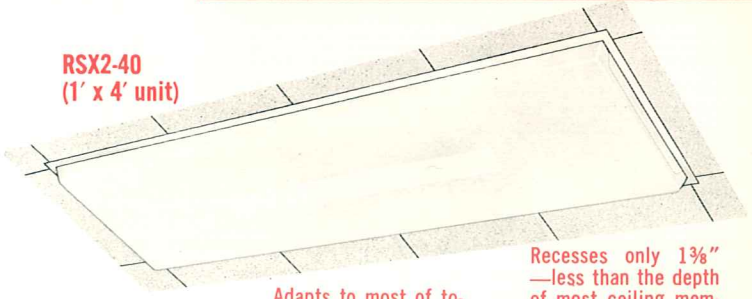
In 1′ x 4′ units for 2 Rapid-Start Lamps
In 2′ x 4′ units for 4 Rapid-Start Lamps

SLENDEX recessed units provide a unique and practical solution to the absolute *minimum cavity — low ceiling* conditions dictated so often by today's construction economies. These units recess *only 1 3/8″*. This is less than the depth of most ceiling supporting members . . . eliminates the cost of cutting members. SLENDEX units are easily installed in existing ceilings requiring only 1 3/8″ in cavity depth and no disturbance of existing ceiling supporting members. Here is a clean, smoothly-styled lighting answer to a common contemporary building problem . . . simple, efficient and pleasing.

LIGHTING CHARACTERISTICS — Shielded by an extruded and formed polystyrene diffusing panel, the surface of the unit is cleanly and uniformly lighted with no dark streaks and no light leaks around the edges. The wafer-thin sides of the polystyrene panel are illuminated. Polystyrene shielding panels present a very pleasing, glare-free surface finish. These panels are of medium impact strength, break resistance and light stability after prolonged use.

MOUNTING — **SLENDEX** units require only one-man installation. They go into the ceiling opening *flat*, requiring no extra depth for tilting. They are simply pushed into the ceiling and four indicators are turned 90° to hold the unit. Four adjusting nuts are then turned for final adjustment. In inverted tee systems, one side of the unit is compressible. SLENDEX units are quickly and easily installed in most of today's common ceilings. See other side for details as to how SLENDEX units are adapted to various types of ceilings. SLENDEX units may be mounted individually or in continuous rows. (See other side for mounting details.)

MAINTENANCE — Diffusing panels of SLENDEX units are easily and simply opened for servicing or relamping or they may be removed entirely without the use of tools or loose parts by lifting off. The shielding may be changed to hinge on the opposite side of the fixture, if required. Metal parts of SLENDEX units are finished in Smithcraft Bonderite and Baked White Enamel providing a finish which adheres firmly to the metal, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, effectively resists abrasions and reflects a maximum percentage of light.



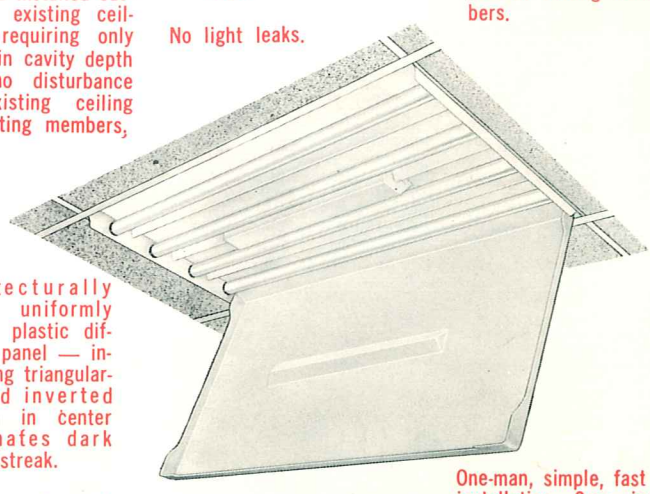
RSX2-40
(1′ x 4′ unit)

Adapts to most of today's common ceilings.

Recesses only 1 3/8″ —less than the depth of most ceiling members . . . eliminates cost of cutting members.

May be installed easily in existing ceilings, requiring only 1 3/8″ in cavity depth and no disturbance of existing ceiling supporting members.

No light leaks.



Architecturally clean, uniformly lighted plastic diffusing panel — interesting triangular-shaped inverted pattern in center eliminates dark center streak.

Plastic panel may be changed to hinge on opposite side of fixture, if required.

Plastic panel releases and closes quickly and efficiently with simple finger action.

One-man, simple, fast installation. Goes in flat . . . requires no cavity depth for tilting.

CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS

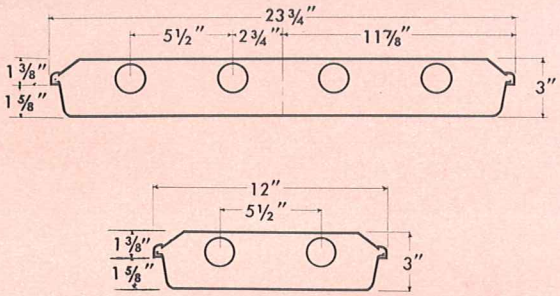
Order according to the type of ceiling construction in which units are to be installed.			
FOR INVERTED "T" SYSTEMS SUCH AS EASTERN, CUPPLES, ETC.			
ONE-FOOT WIDE 1′ x 4′		TWO-FOOT WIDE 2′ x 4′	
Catalog No.	No. & Type of Lamps	Catalog No.	No. & Type of Lamps
RSXG2-40	2 F40T12RS	RSXG4-40	4 F40T12RS
FOR METAL PAN CEILINGS SUPPORTED BY T-BARS			
RSXT2-40	2 F40T12RS	RSXT4-40	4 F40T12RS
FOR SOFT TILE CEILINGS SUPPORTED BY Z-SPLINES, H-SPLINES, ETC. (FLANGED SLENDEX UNITS)			
RSXF2-40	2 F40T12RS	RSXF4-40	4 F40T12RS
FOR PLASTER CEILINGS (FLANGED SLENDEX UNITS) SUPPLIED WITH NECESSARY PLASTER FRAME			
RSXP2-40	2 F40T12RS	RSXP4-40	4 F40T12RS

NOTE: Units listed above will cover the great majority of all types of ceiling construction in use today. There may be instances, however, where it is desirable to support troffers from ceiling members (1 1/2″ channel or other) which are positioned more than 1 3/8″ above the ceiling line. In these cases special hanger brackets (4 per fixture — Cat. No. SX37) are required on special order. These brackets will support troffers on members which are recessed up to 3 3/4″ above the ceiling line.

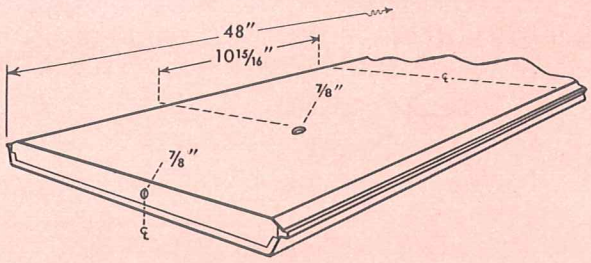
NOTE: It is important when ordering to supply row information (number of rows and number of units per row) so that necessary fittings will be supplied.

SLENDEX
RECESSED

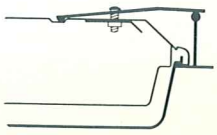
END SECTIONS



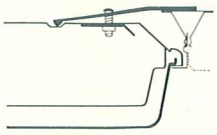
SPACING OF KNOCKOUTS, 1′ AND 2′ UNITS



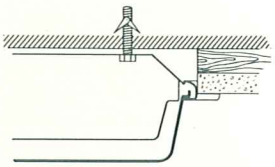
HOW THE SMITHCRAFT SLENDEX RECESSED UNIT IS INSTALLED IN VARIOUS CEILING TYPES



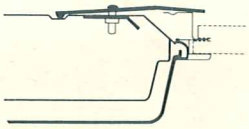
Inverted "T" grid systems



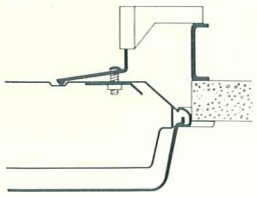
T-bar ceiling with snap-in metal pans



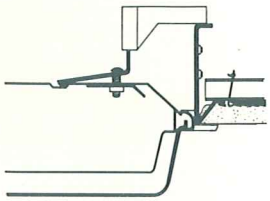
Plaster ceilings supported by wood furring



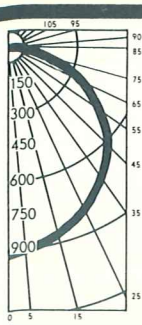
Soft tile ceilings with Z-spline, nail-lock or similar devices



Supported on 1½" channel



Plaster ceilings with Plaster frames



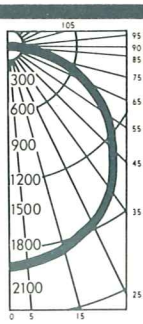
RSX2-40

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0°	2.1	2.1
10°	2.1	2.1
20°	2.1	2.1
30°	2.0	2.0
40°	2.0	1.9
45	2.0	1.8
50	2.0	1.8
55	2.1	1.8
60	2.1	1.7
65	2.0	1.6
70	1.8	1.5
80	1.9	1.0
85	1.8	0.6
90	1.7	0.1

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6	.23	.19	.16	.22	.18	.16	.22	.18	.15	.22	.18	.15
I	0.8	.30	.25	.21	.29	.24	.21	.28	.24	.21	.27	.24	.21
H	1.0	.35	.29	.26	.33	.29	.25	.33	.29	.25	.32	.28	.25
G	1.25	.40	.35	.31	.38	.33	.30	.38	.33	.31	.35	.32	.29
F	1.5	.44	.38	.34	.41	.36	.33	.41	.37	.33	.38	.35	.33
E	2.0	.49	.44	.40	.45	.41	.38	.46	.42	.38	.43	.40	.37
D	2.5	.53	.48	.44	.48	.44	.41	.49	.45	.42	.46	.43	.40
C	3.0	.55	.51	.47	.50	.46	.44	.51	.48	.45	.47	.45	.43
B	4.0	.59	.55	.52	.52	.49	.47	.54	.51	.49	.50	.48	.46
A	5.0	.62	.59	.56	.54	.52	.50	.56	.54	.52	.52	.50	.49



RSX4-40

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0	2.4	2.4
10	2.3	2.3
20	2.3	2.3
30	2.2	2.2
40	2.2	2.2
45	2.0	2.1
50	2.2	2.0
55	2.1	2.0
60	2.0	1.9
65	2.0	2.2
70	2.1	1.7
80	1.9	1.3
85	1.8	1.1
90	1.8	0.3

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6	.24	.20	.17	.23	.19	.17	.23	.19	.17	.23	.19	.16
I	0.8	.31	.26	.23	.30	.25	.22	.30	.25	.22	.29	.25	.22
H	1.0	.36	.31	.27	.35	.30	.27	.35	.30	.27	.33	.29	.27
G	1.25	.42	.36	.32	.39	.35	.31	.39	.35	.32	.38	.34	.31
F	1.5	.46	.40	.36	.42	.38	.35	.43	.39	.35	.41	.37	.34
E	2.0	.51	.46	.42	.47	.43	.40	.47	.43	.40	.45	.42	.39
D	2.5	.55	.50	.46	.49	.46	.43	.50	.47	.44	.47	.45	.42
C	3.0	.57	.53	.49	.51	.48	.46	.53	.50	.47	.49	.47	.45
B	4.0	.61	.57	.54	.54	.51	.49	.56	.53	.51	.52	.50	.48
A	5.0	.64	.60	.58	.56	.53	.51	.58	.56	.54	.53	.52	.50

SPECIFICATIONS

General: The fixture shall be a semi-recessed direct unit completely wired and assembled, ready for installation. **Housing** shall be not less than 20 gauge steel and shall recess into the ceiling 1⅜". Housing shall include ballast, all wiring accessories and shall contain V-shaped reflectors for uniform light distribution. Housings shall bolt together in continuous mounting and when used with a plastic bushing shall form a wireway for continuous mounting. Housing shall insert in ceiling flat and shall be supported on ceiling members by the turning of four indicators 90°. Final adjustment shall be by means of four nuts. **Diffusing Medium** shall be formed of extruded and formed polystyrene plastic with medium impact strength, break resistance and light stability after prolonged use. Plastic panel may be changed to hinge on opposite side of fixture, if required. **Ballast** shall be Rapid-Start, H. P. F. CBM certified. **Finish** shall be High Temperature Baked Enamel with reflectivity of not less than 85% applied on bonderized surface. Complete unit shall be UL-approved and bear the label of I. B. E. W. of the A. F. of L.

Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. C440
Printed in U.S.A.

BL .6-58

NOTE: SLENDEX UNITS ARE ALSO AVAILABLE FOR RECESSING INTO ALL TYPES OF CEILING CONSTRUCTION. SEE CAT. PAGE #C440



SSX4-40
(2′ x 4′ unit)

SSX

Smithcraft

SLENDEX

(SURFACE)

In 1′ x 4′ units for 2 Rapid-Start Lamps
In 2′ x 4′ units for 4 Rapid-Start Lamps

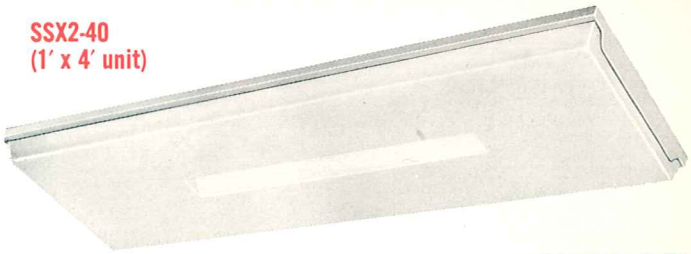
SLENDEX surface units are smoothly-styled, *extremely shallow* luminaires providing architecturally clean and pleasing lighting for today's interiors. These units are excellent lighting where very low ceilings prevail since the fixture itself is only 1 ⅜″ deep with an overall depth including shielding of only 3″. SLENDEX units are simple, trim and efficient.

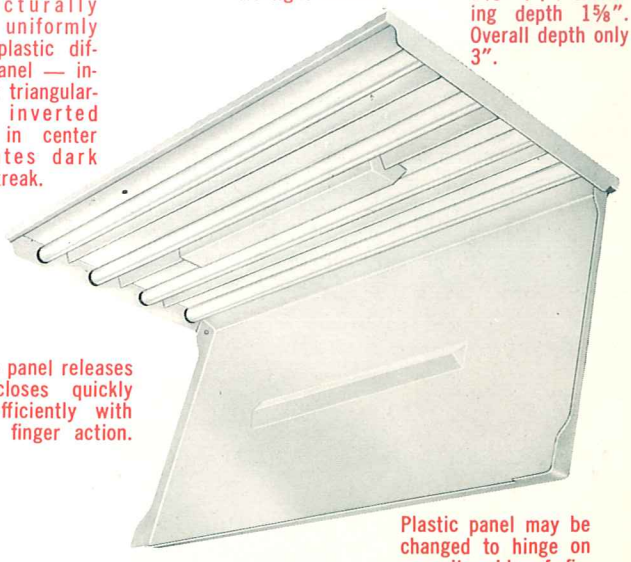
LIGHTING CHARACTERISTICS — Shielded by an extruded polystyrene diffusing panel, the surface of the unit is clearly and uniformly lighted with no dark streaks and no light leaks around the edges. The wafer-thin sides of the polystyrene panel are illuminated. The shielding panels present a very pleasing, glare-free surface finish. They are of medium impact strength, break resistance and light stability after prolonged use.

MOUNTING — **SLENDEX** surface units are easily and quickly mounted individually or in continuous rows by the use of screws, expansion bolts, etc. The lightweight easy-to-handle housing is easily mounted on the ceiling by one man, and the polystyrene diffusing panel is simply installed without tools.

MAINTENANCE — Plastic diffusing panels of SLENDEX units are easily opened for servicing or relamping or they may be removed entirely without the use of tools or loose parts. The shielding may be changed to hinge on the opposite side of the fixture, if required. Metal parts of SLENDEX units are finished in Smithcraft Bonderite and Baked White Enamel providing a finish which adheres firmly to the metal, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, effectively resists abrasions and reflects a maximum percentage of light.

SSX2-40
(1′ x 4′ unit)





Architecturally clean, uniformly lighted plastic diffusing panel — interesting triangular-shaped inverted pattern in center eliminates dark center streak.

No light leaks.

Extremely shallow . . . housing depth 1⅜″ . . . shielding depth 1⅝″. Overall depth only 3″.

Plastic panel releases and closes quickly and efficiently with simple finger action.

Plastic panel may be changed to hinge on opposite side of fixture, if required.

CATALOG INFORMATION

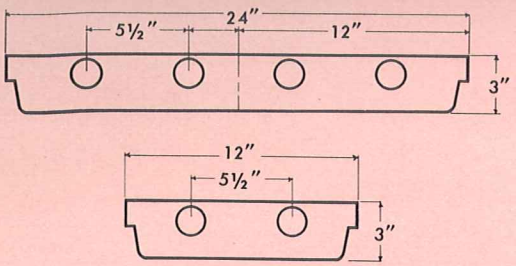
FOR RAPID-START BI-PIN LAMPS

ONE-FOOT WIDE (1′ x 4′)		TWO-FOOT WIDE (2′ x 4′)	
Catalog No.	No. and Type of Lamps	Catalog No.	No. and Type of Lamps
SSX2-40	2 F40T12RS	SSX4-40	4 F40T12RS

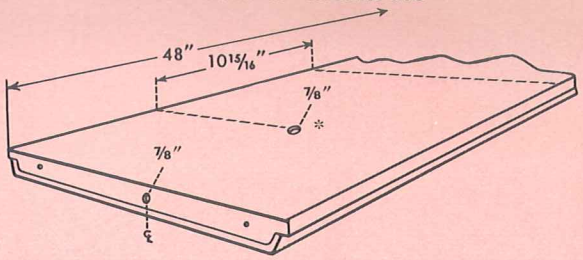
NOTE: It is important when ordering to supply row information (number of rows and number of units per row) so that necessary fittings will be supplied.

SLENDEX
SURFACE MOUNTED

END SECTIONS



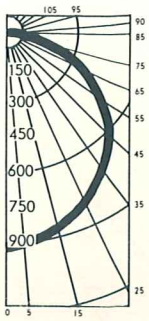
SPACING OF KNOCKOUTS



3/16" Diam. holes are provided in the 4 corners for toggle bolts, screws, etc.

*THIS K.O. ON ONE END ONLY

SSX2-40



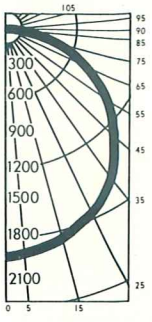
COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50 %	30 %	10 %	80% Ceiling 10% Floor 50 %	30 %	10 %	50% Ceiling 30% Floor 50 %	30 %	10 %	50% Ceiling 10% Floor 50 %	30 %	10 %
J	0.6		.23	.19	.16	.22	.18	.16	.22	.18	.15	.22	.18	.15
I	0.8		.30	.25	.21	.29	.24	.21	.28	.24	.21	.27	.24	.21
H	1.0		.35	.29	.26	.33	.29	.25	.33	.29	.25	.32	.28	.25
G	1.25		.40	.35	.31	.38	.33	.30	.38	.33	.31	.35	.32	.29
F	1.5		.44	.38	.34	.41	.36	.33	.41	.37	.33	.38	.35	.33
E	2.0		.49	.44	.40	.45	.41	.38	.46	.42	.38	.43	.40	.37
D	2.5		.53	.48	.44	.48	.44	.41	.49	.45	.42	.46	.43	.40
C	3.0		.55	.51	.47	.50	.46	.44	.51	.48	.45	.47	.45	.43
B	4.0		.59	.55	.52	.52	.49	.47	.54	.51	.49	.50	.48	.46
A	5.0		.62	.59	.56	.54	.52	.50	.56	.54	.52	.52	.50	.49

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0°	2.1	2.1
10°	2.1	2.1
20°	2.1	2.1
30°	2.0	2.0
40°	2.0	1.9
45°	2.0	1.8
50°	2.0	1.8
55°	2.1	1.8
60°	2.1	1.7
65°	2.0	1.6
70°	1.8	1.5
80°	1.9	1.0
85°	1.8	0.6
90°	1.7	0.1

SSX4-40



COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50 %	30 %	10 %	80% Ceiling 10% Floor 50 %	30 %	10 %	50% Ceiling 30% Floor 50 %	30 %	10 %	50% Ceiling 10% Floor 50 %	30 %	10 %
J	0.6		.24	.20	.17	.23	.19	.17	.23	.19	.17	.23	.19	.16
I	0.8		.31	.26	.23	.30	.25	.22	.30	.25	.22	.29	.25	.22
H	1.0		.36	.31	.27	.35	.30	.27	.35	.30	.27	.33	.29	.27
G	1.25		.42	.36	.32	.39	.35	.31	.39	.35	.32	.38	.34	.31
F	1.5		.46	.40	.36	.42	.38	.35	.43	.39	.35	.41	.37	.34
E	2.0		.51	.46	.42	.47	.43	.40	.47	.43	.40	.45	.42	.39
D	2.5		.55	.50	.46	.49	.46	.43	.50	.47	.44	.47	.45	.42
C	3.0		.57	.53	.49	.51	.48	.46	.53	.50	.47	.49	.47	.45
B	4.0		.61	.57	.54	.54	.51	.49	.56	.53	.51	.52	.50	.48
A	5.0		.64	.60	.58	.56	.53	.51	.58	.56	.54	.53	.52	.50

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0°	2.4	2.4
10°	2.3	2.3
20°	2.3	2.3
30°	2.2	2.2
40°	2.2	2.2
45°	2.0	2.1
50°	2.2	2.0
55°	2.1	2.0
60°	2.0	1.9
65°	2.0	2.2
70°	2.1	1.7
80°	1.9	1.3
85°	1.8	1.1
90°	1.8	0.3

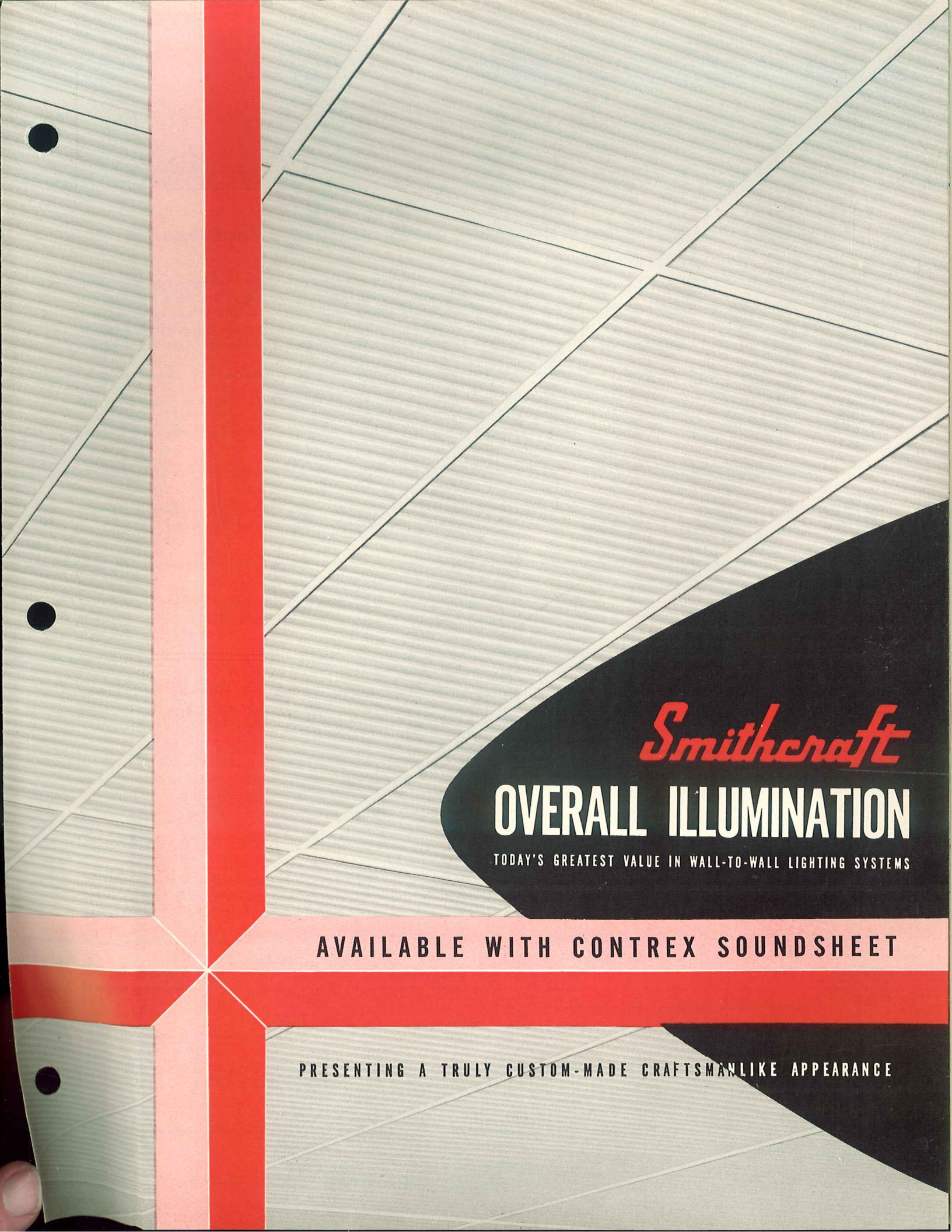
SPECIFICATIONS

General: The fixture shall be a direct fluorescent unit, completely wired and assembled, ready for installation. **Housing** shall be 1⅜" in depth and be formed of not less than 20 gauge steel. Housing shall include ballast, all wiring accessories and shall contain V-shaped reflectors for uniformity of light distribution. Housings shall bolt together in continuous mounting and when joined together by a plastic bushing shall form a wireway for continuous mounting. **Diffusing Medium** shall be formed of extruded polystyrene plastic with medium impact strength, break resistance and light stability after prolonged use. **Ballasts** shall be CBM certified, H. P. F., Rapid-Start. **Finish** shall be High Temperature Baked Enamel with reflectivity of not less than 85% on bonderized surfaces. Complete unit shall be U. L.-approved and bear the label of the I. B. E. W. of the A. F. of L.

Form No. B400
Printed in U.S.A.

Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

BL 6-58


Smithcraft
OVERALL ILLUMINATION
TODAY'S GREATEST VALUE IN WALL-TO-WALL LIGHTING SYSTEMS
AVAILABLE WITH CONTREX SOUNDSHEET
PRESENTING A TRULY CUSTOM-MADE CRAFTSMANLIKE APPEARANCE

Smithcraft

OVERALL ILLUMINATION IS A

GOOD LOOKING
SIMPLE TO INSTALL
EASY TO MAINTAIN
ECONOMICAL

WALL-TO-WALL LIGHTING SYSTEM

9 component parts incorporating many exclusive features

1. HANGER ASSEMBLY

The only part of the entire system that is attached to the ceiling construction. These consist of angles, channels, and bolts, and are simply attached and positioned about 4' on centers over the area. There are less attachments to the ceiling than are used with other systems. The Hanger Assembly incorporates the levelling means for the system.

2. SUPPORTING CHANNEL

Something new . . . a feature that makes Smithcraft Overall Illumination the simplest system to install and level. These channels are secured by the hanger assembly and levelled by just hand turning of bolts. No further levelling of the system is required.

3. LIGHTING STRIP HANGER

Just slides over the lighting strip and locks to supporting channel. Permits adjusting location of strip lengthwise and crosswise of the room.

4. LIGHTING STRIP

Top quality Rapid-Start lighting units with ETL-certified Rapid-Start Series Sequence ballasts. End caps become couplings in continuous rows.

5. RUNNER HANGER

Runner hangers fit anywhere on the lighting strip and grip the diffusing medium framing runners by slide fittings. Provide exact spacing between lighting strip and diffusing medium. Eliminates all levelling difficulties.

6. FRAMING RUNNERS

Pre-cut and mitered, they lock firmly in place. Provide a craftmanlike appearance of the ceiling framing. The V-shaped runners pick up light from the surrounding areas eliminating the annoying black framing bands of other systems.

7. WALL CHANNEL

Pre-cut to convenient lengths; convenient mounting holes are provided. Wall channel is so designed that sections do not need to be carefully end-to-end fitted close to the corners, cutting down greatly on installation and fitting costs.

8. SNAP-ON MOLDING

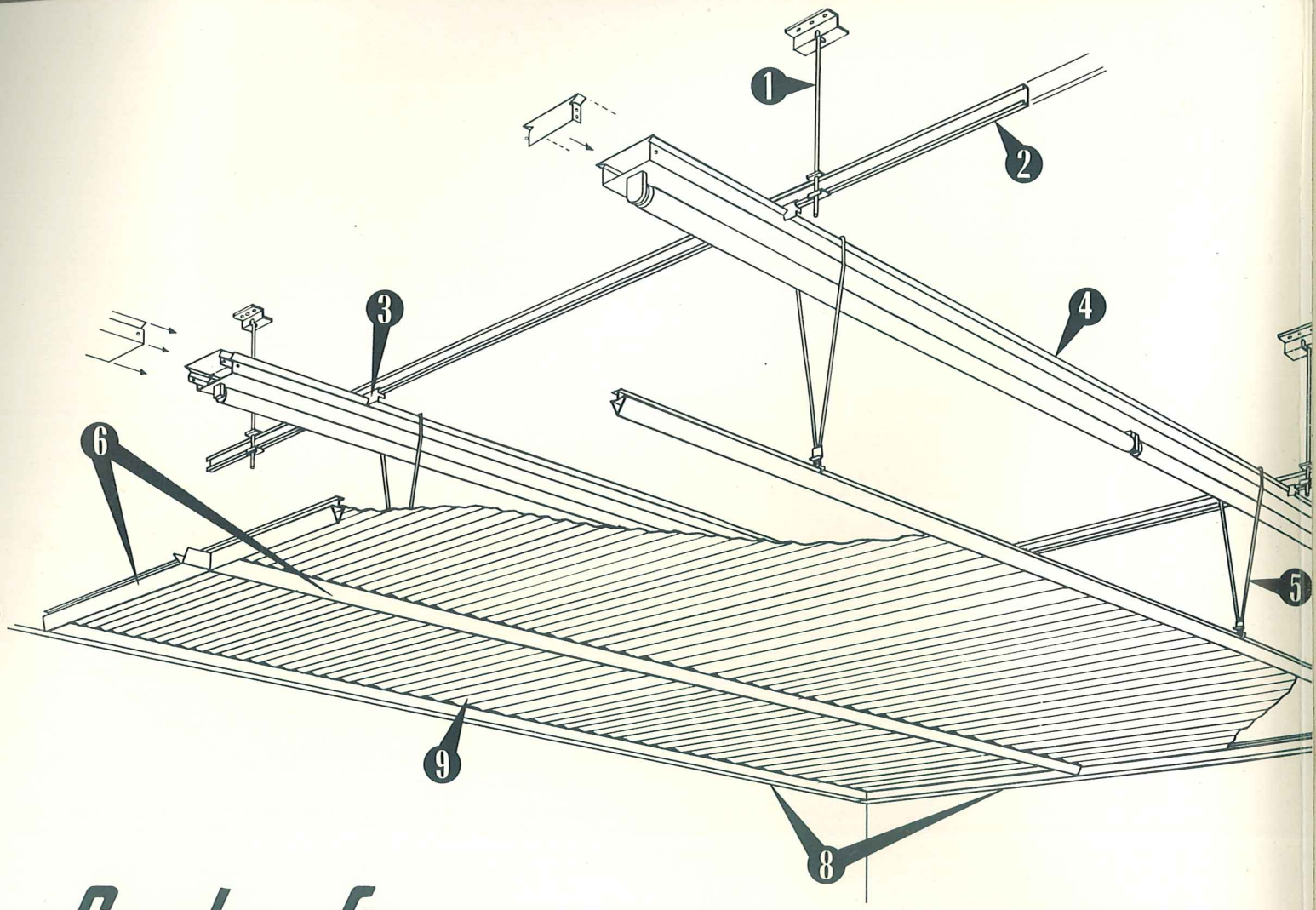
Furnished pre-cut and mitered to exact module dimensions. These are snapped on to the wall channel and provide exact spacing for the framing runners at the walls.

9. CORRUGATED VINYL SHEETS

Finest quality designed to lock into the supporting runners. Complies with the National Building Code ruling that these sheets shall not be over 10' in length.

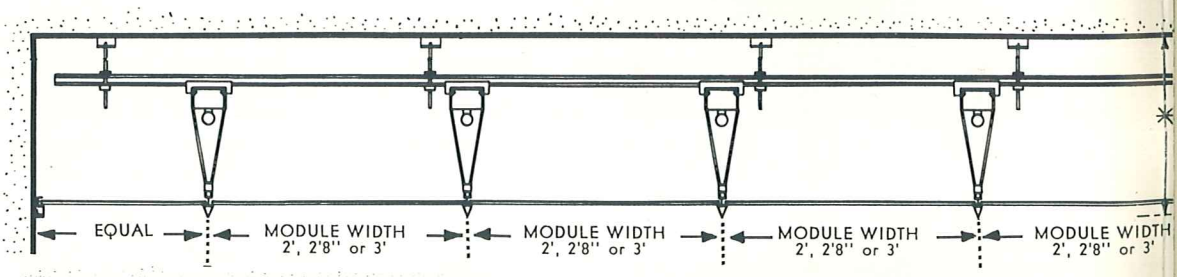
Three modules: 8' x 2'; 8' x 2'8" and 8' x 3', provide a selection of three different lighting intensities.

construction and mounting details o

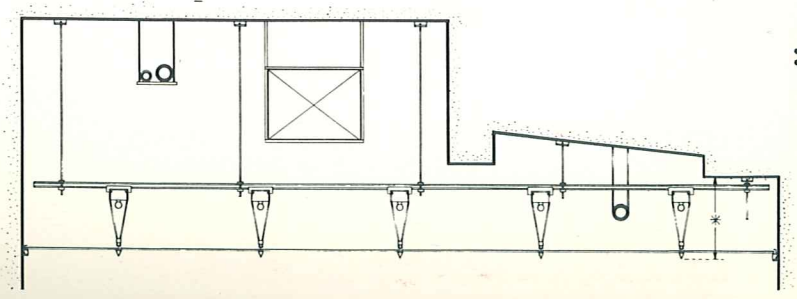


Smithcraft OVERALL ILLUMINATION IS EASILY ADAPTED TO ALL CEILING

Whether the cavity is simple and uncluttered . . .

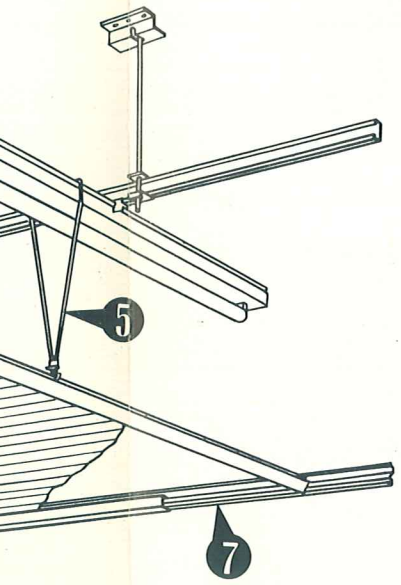


. . . or whether there are sloping ceilings, different elevations, pipes, ducts, etc.

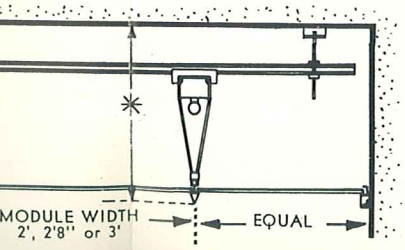


* **Minimum depth for lamps on 24" centers 18"**
Minimum depth for lamps on 32" or 36" centers.....22"

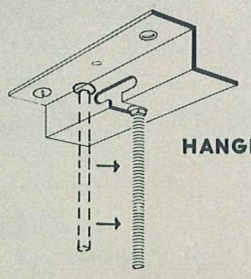
ils of *Smithcraft* overall illumination



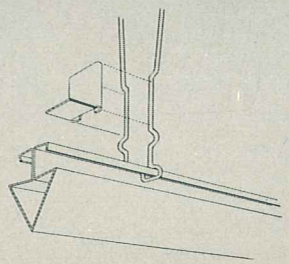
CEILING CONDITIONS



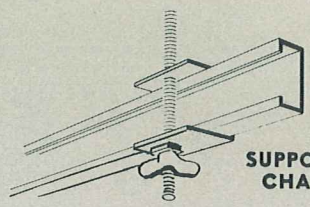
or lamps on
.....18"
or lamps on
ers.....22"



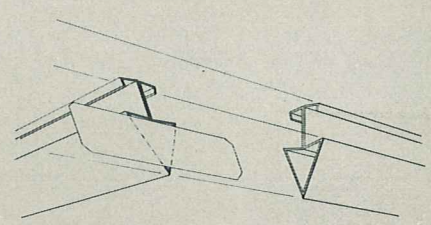
HANGER ASSEMBLY



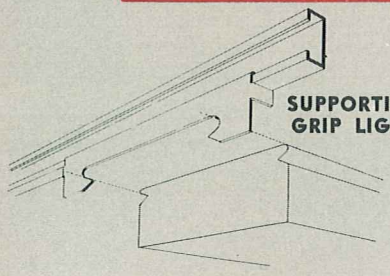
RUNNER HANGER AND FRAMING RUNNER



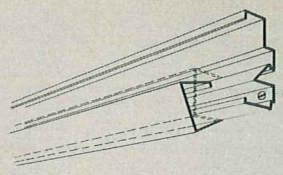
SUPPORTING CHANNEL



PRE-MITERED JOINT WHERE FRAMING RUNNERS COUPLE

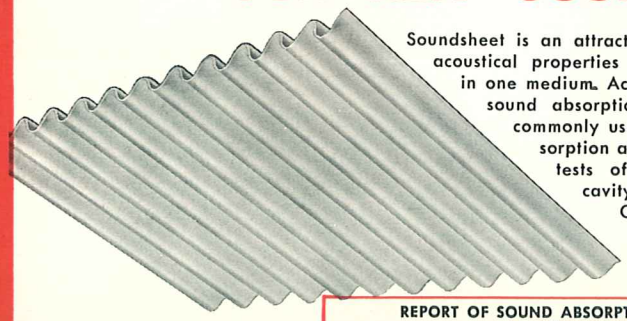


SUPPORTING CHANNEL & SLIDE GRIP LIGHTING STRIP HANGER



WALL CHANNEL AND SNAP-ON MOULDING

available with new CONTREX SOUNDSHEET



Soundsheet is an attractive plastic laminate, which combines efficient acoustical properties with high-quality illumination characteristics in one medium. Acoustically, Soundsheet provides more balanced sound absorption at low frequencies than the average of commonly used types of acoustical treatment and good absorption at higher frequencies. According to independent tests of corrugated Soundsheet made with a 10" cavity depth, Soundsheet's NRC (Noise Reduction Coefficient) is .70. New economies are effected by Soundsheet's combined features of sound absorption and light diffusion in one medium.

REPORT OF SOUND ABSORPTION TEST (A56-300) ON SOUNDSHEET* by INDEPENDENT TESTING LABORATORY

Soundsheet	Area Tested	Mounting	Thickness	CO-EFFICIENTS						NRC
				125	250	500	1000	2000	4000	
Corrugated	72 sq. ft.	7	0.013"	.34	.73	.72	.60	.67	.69	.70

*Tested with a 10" cavity

SEE BACK PAGE FOR PHOTOMETRIC INFORMATION

Smithcraft overall illumination

TODAY'S MOST *ADVANCED* DESIGN IN WALL-TO-WALL LIGHTING

appearance

Important among the many superior qualities of Smithcraft Overall Illumination is its appearance; it is an exceptionally good-looking wall-to-wall lighting system. Each of the modules of the system is contained in a mitered craftsmanlike framing, giving Smithcraft Overall Illumination a truly "custom-made" appearance. These framed modules provide relief from the monotony of an unbroken expanse of corrugated plastic by means of an interesting accent pattern. The system is an architectural element harmonizing perfectly with today's clean, functional interiors and creating an atmosphere of space and simplicity, providing the utmost in initial and operating economies.

economy of installation

Smithcraft Overall Illumination is simple and easy to install because the parts snap together. The system incorporates an exclusive new levelling feature which saves hours and dollars in installation time. Once the supporting channels are levelled, all other parts are automatically leveled and a level finished ceiling is assured. The system is installed in new construction or in re-modelling projects regardless of the irregularities of the ceiling construction or of the room, and regardless of the location of pipes, ducts, beams or other obstructions.

lighting quality

Because the framing runners of the diffusing medium are V-shaped, the annoying black bands of other systems are eliminated. The V-sections reflect the light from the surrounding areas thereby greatly reducing contrast between the supporting members themselves and the surrounding areas. The entire system glows with a softly-diffused light over the entire ceiling. Lighting is uniform, and comfortable, free from specular reflections or shadows. With Smithcraft Overall Illumination there is a choice of three intensities, so the correct amount of illumination required may be selected.

ease and economy of maintenance

Because of the shorter module lengths of the Smithcraft Overall Illumination system, access is easier to lighting units or services above the system. Sections of corrugated plastic shielding which must be rolled out of the way are only 8' in length, and these sections are simply slid in the track out of the way — no tools are required. Because the corrugated plastic sections are only 8' in length, Smithcraft Overall Illumination conforms to the National Building Code.

procedure for determining the intensity of a *Smithcraft* overall illumination installation

Determine the length, width and height of area to be illuminated and also the finished height of the Smithcraft Overall Illumination System.

There are three modular widths of Smithcraft Overall Illumination. (36", 32", and 24".) Each of these is 8' long and the lamps are always directly over the framing runners. In order to determine which one of the three most closely meets the requirements of the area, it is recommended that the illumination resulting from each of these module widths be calculated by the following steps:

Determine the number of 4' lamps to be in each row by dividing the length of the room in feet by 4 and adding 1 for any remainder. (Lamps normally run in long direction of room).

b.) Determine number of rows of plastic panels by dividing the width of the room in feet by the width of the module in feet and adding 1 for any remainder.

c.) Determine number of rows of lamps by subtracting 1 from the number of rows of plastic panels.

d.) Determine total number of lamps by multiplying the number of lamps per row (a.) by the number of rows of lamps. (c).

e.) Select room index, coefficient of utilization and maintenance factor from data below.

f.) Illumination resulting is determined by the following formula:

$$\text{Illumination in footcandles} = \frac{\text{No. of Lamps} \times 2500 \times \text{Ku} \times \text{M.F.}}{\text{Length} \times \text{Width of Room (In Feet)}}$$

COEFFICIENTS OF UTILIZATION (Ku)

based on cavity reflection factor of 0.80 and cavity depth not more than 3'

Room Index	Range of Room Ratios	Wall Reflection Factor 0.50	0.30	0.10
J	less than 0.7	.22	.14	.13
I	0.7 to 0.9	.27	.22	.19
H	0.9 to 1.12	.31	.26	.23
G	1.12 to 1.38	.36	.30	.26
F	1.38 to 1.75	.37	.33	.29
E	1.75 to 2.25	.41	.37	.33
D	2.25 to 2.75	.45	.41	.37
C	2.75 to 3.5	.48	.44	.40
B	3.5 to 4.5	.52	.47	.43
A	4.5 — up	.54	.50	.46

Maintenance factor (M.F.) — good = 0.70
medium = 0.65

$$\text{Room Ratio} = \frac{\text{Length} \times \text{Width}}{D \times (\text{Length} + \text{Width})}$$

Where D = Distance from Work Plane to Diffusing Medium.

IF FURTHER INFORMATION IS REQUIRED . . .

contact your nearby Smithcraft Sales Representative or the Smithcraft Lighting Division, Chelsea 50, Massachusetts. It will be necessary to furnish the following information:

a.) Length, width and height of area to be illuminated.

b.) Location and sizes of all obstructions. Include door heights and distance from floor to top of windows.

c.) The effective height of the Smithcraft Overall Illumination System desired.

d.) Illumination level required.

Smithcraft
LIGHTING DIVISION
CHELSEA 50, MASSACHUSETTS

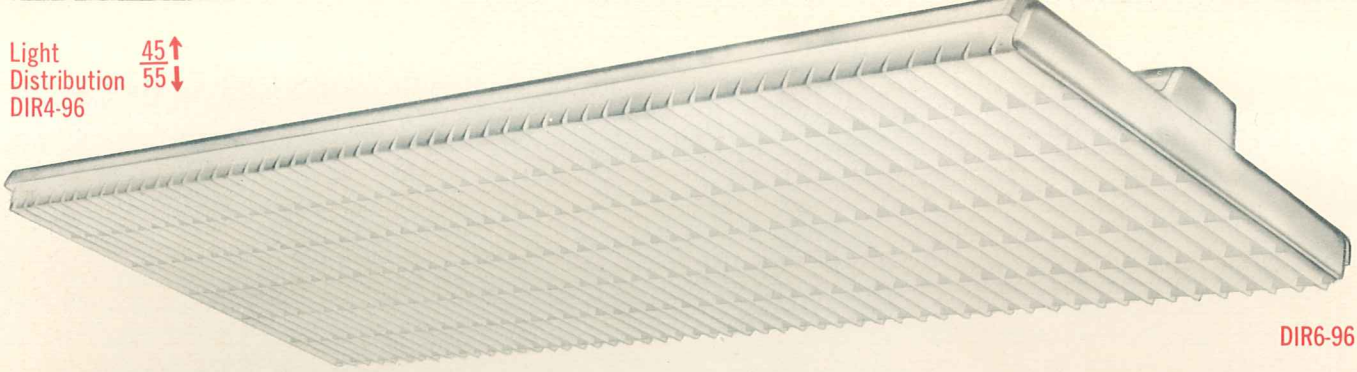
FORM NO. 800B 2/58 SR PRINTED IN U.S.A.

SECTION **B**

Smithcraft

COMMERCIAL UNITS

Light Distribution DIR4-96 45↑ 55↓



DIR6-96

The DIRECTOR, installed in thousands of banks, stores, schools, offices and smiliar locations across the nation, is a long-term investment in quality lighting. The DIRECTOR is available for two, three, four and six Slimline Lamps, and for two, three, four and six Rapid-Start Bi-Pin Lamps.

LIGHTING CHARACTERISTICS — DIRECTOR provides highest quality illumination in a large "area-of-light" source with a downward component of light which varies from 70% for the two-light units to 55% for the six-light units (top reflectors may be supplied for all downlighting or for additional partial downlighting). Louvers provide a cutoff of 35° lengthwise, 25° crosswise. (If desired a deluxe louver may be supplied to provide increased shielding of 40° crosswise, 35° lengthwise.)

MOUNTING — DIRECTOR may be surface or pendant mounted, individually or in continuous rows. For pendant mounting the SS117, SS110, and SS105 may be used (See other side). The Ceiling Clamp (CC503) is recommended for simplified surface mounting.

MAINTENANCE — The rigid louver may be released from either end for re-lamping and may be "shelf suspended" at a convenient level. Safe, yet simple snap-locks hold the louver at the corners of the unit. Ballasts and wiring are easily accessible by removal of the cover plate. White Supercoat Baked Enamel finish; end sections finished in aluminum. The Smithcraft Bonderite and Baked Enamel Finish on the metal parts adheres firmly, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, effectively resists abrasions, and reflects a maximum percentage of light.

DIR

Smithcraft

DIRECTOR

For SLIMLINE LAMPS;
For RAPID-START BI-PIN LAMPS

CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
DIR2-40	2 F40T12RS	35	DIR2-96 DIR2-48	2 F96T12 2 F48T12	62 35
DIR3-40	3 F40T12RS	42	DIR3-96 DIR3-48	3 F96T12 3 F48T12	85 46
DIR4-40	4 F40T12RS	51	DIR4-96 DIR4-48	4 F96T12 4 F48T12	90 52
DIR6-40	6 F40T12RS	69	DIR6-96 DIR6-48	6 F96T12 6 F48T12	131 72

*For DIRECTOR with Deluxe louvers, providing shielding 40° crosswise, 35° lengthwise, add "DL" to catalog number.

TOP REFLECTORS

Top reflectors may be supplied to direct all of the uplighting downwards or they may be supplied for partial downlighting.

Catalog No. and Description		For Use With	Catalog No. and Description		For Use With
D820	Pair of top reflectors for 100% downlighting 2-light fixtures	Director 2-light, 8′ Slimline Series	D840	Pair of top reflectors for 100% downlighting 4-light fixtures	Director 4-light, 8′ Slimline Series
D420		Director 2-light, 4′ Slimline Series	D440		Director 4-light, 4′ Slimline Series
DB420		Director 2-light, 4′ Bi-Pin Series	DB440		Director 4-light, 4′ Bi-Pin Series

Note: The three top reflectors listed directly above may be used to provide partial additional downlighting with 6-light Director units.

D830	Pair of top reflectors for 100% downlighting 3-light fixtures	Director 3-light, 8′ Slimline Series	D860	Pair of top reflectors for 100% downlighting 6-light fixtures	Director 6-light, 8′ Slimline Series
D430		Director 3-light, 4′ Slimline Series	D460		Director 6-light, 4′ Slimline Series
DB430		Director 3-light, 4′ Bi-Pin Series	DB460		Director 6-light, 4′ Bi-Pin Series

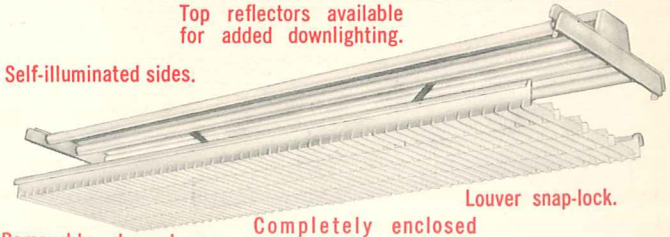
Note: The three top reflectors listed directly above may be used with 4-light, and 6-light Directors for partial additional downlighting.

Packed one complete housing to a carton; two louvers to a carton except that louvers for all Director 6-light units and the DIR4-96 are packed one louver to a carton. Fittings for normal continuous mounting included.

Strong level-hangers for louver suspension.

Top reflectors available for added downlighting.

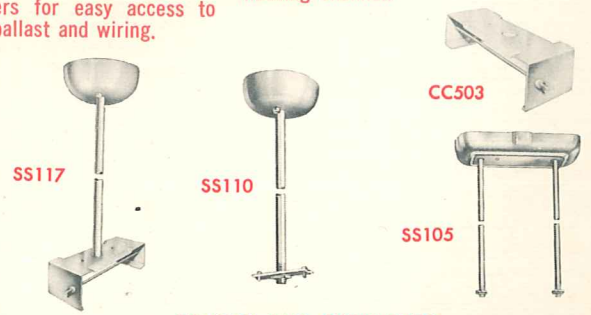
Self-illuminated sides.



Louver snap-lock.

Removable channel covers for easy access to ballast and wiring.

Completely enclosed housing channel.

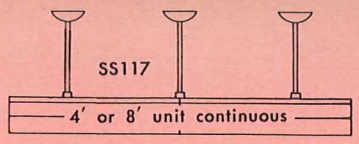


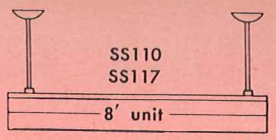
CANOPY AND STEM SETS

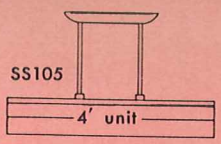
Catalog No.	Description
SS105	Canopy and Double Stem Set — canopy, two 30″ steel stems (O.D. 11/16″ 8″ on centers). Plate insert with screws. Size of canopy 13½″ x 6¼″.
SS110	Canopy and Stem Set — canopy, single 24″ steel stem (O.D. 11/16″), heavy canopy bar, levelling strap, fittings.
SS117	Canopy and Stem Set — single 24″ steel stem (O.D. 11/16″).
CC503	Ceiling Clamp for Surface Mounting — clamps (two per fixture) are fastened to ceiling and Director is inserted. Bolts are tightened.

DIRECTOR

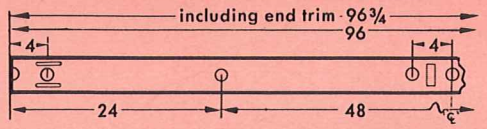
SUGGESTED PENDANT MOUNTING

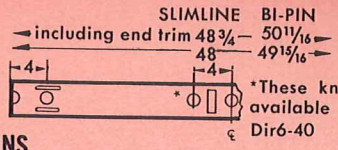




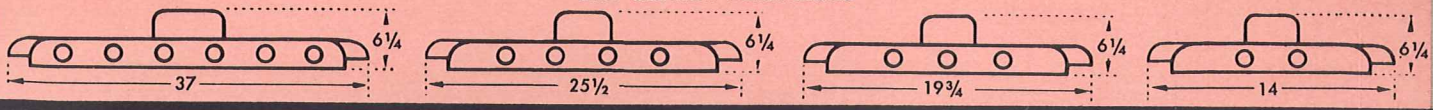


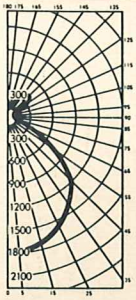
SPACING OF 11/16 KNOCKOUTS





END SECTION DIMENSIONS





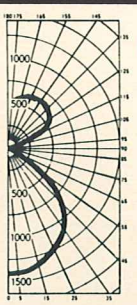
DIR2-96

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	4.17	4.17
10°	4.22	4.13
20°	4.16	4.03
30°	4.25	3.58
40°	4.25	2.66
45°	4.16	2.16
50°	3.50	1.64
55°	2.44	1.14
60°	1.88	0.88
65	1.73	0.78
70	1.69	0.71
80	1.24	.59
85	.10	
90		0

COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.25	.21	.18	.25	.21	.18	.24	.20	.18	.25	.20	.17
I	0.8		.33	.28	.24	.32	.27	.24	.31	.27	.24	.31	.26	.24
H	1.0		.39	.33	.29	.38	.34	.29	.36	.32	.28	.35	.31	.28
G	1.25		.45	.39	.35	.43	.38	.34	.41	.37	.33	.40	.36	.33
F	1.5		.50	.44	.39	.47	.42	.38	.46	.41	.37	.44	.40	.37
E	2.0		.57	.51	.46	.53	.48	.44	.51	.46	.43	.48	.45	.42
D	2.5		.61	.55	.51	.56	.52	.48	.54	.51	.47	.51	.48	.45
C	3.0		.65	.59	.55	.59	.55	.52	.57	.53	.50	.53	.50	.48
B	4.0		.70	.66	.61	.63	.59	.56	.61	.57	.54	.56	.54	.52
A	5.0		.74	.69	.66	.65	.62	.59	.63	.60	.58	.58	.56	.54



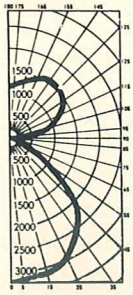
DIR3-40

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	5.2	5.2
45°	4.9	2.6
55°	3.1	1.6
60°	2.2	1.2
65°	2.1	1.1
70°	2.1	1.0
85°	1.0	.7

COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.26	.21	.17	.26	.20	.17	.24	.20	.17	.24	.20	.17
I	0.8		.34	.28	.24	.33	.28	.24	.31	.26	.23	.30	.26	.23
H	1.0		.40	.34	.30	.40	.34	.30	.37	.31	.28	.35	.31	.28
G	1.25		.48	.41	.36	.46	.40	.35	.42	.37	.33	.41	.36	.33
F	1.5		.53	.46	.42	.51	.44	.40	.46	.41	.37	.44	.40	.36
E	2.0		.59	.52	.48	.57	.51	.49	.52	.47	.43	.49	.45	.42
D	2.5		.61	.58	.54	.61	.56	.52	.56	.52	.47	.53	.49	.46
C	3.0		.71	.64	.59	.64	.60	.56	.58	.54	.51	.55	.52	.49
B	4.0		.77	.71	.66	.69	.65	.61	.63	.59	.56	.58	.55	.53
A	5.0		.81	.77	.72	.73	.68	.65	.66	.62	.59	.60	.58	.56



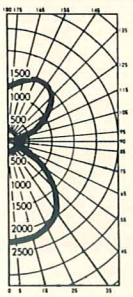
DIR4-96

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	5.3	5.3
45°	4.9	2.6
55°	3.1	1.3
60°	2.4	1.0
65°	2.3	.9
70°	1.3	.7
85°	.8	.1

COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.24	.19	.16	.23	.18	.15	.22	.18	.15	.21	.18	.15
I	0.8		.31	.26	.22	.30	.25	.21	.28	.24	.20	.27	.23	.20
H	1.0		.37	.31	.27	.36	.31	.27	.33	.28	.25	.32	.28	.25
G	1.25		.44	.33	.32	.42	.36	.32	.38	.33	.30	.37	.32	.29
F	1.5		.49	.42	.37	.46	.40	.36	.42	.38	.34	.40	.36	.33
E	2.0		.56	.50	.44	.53	.47	.43	.47	.43	.39	.45	.41	.38
D	2.5		.62	.55	.50	.57	.52	.47	.51	.47	.43	.48	.45	.42
C	3.0		.66	.59	.54	.60	.55	.51	.53	.49	.46	.50	.47	.44
B	4.0		.71	.66	.61	.64	.60	.56	.57	.54	.51	.53	.51	.48
A	5.0		.74	.70	.66	.67	.63	.60	.60	.56	.54	.55	.53	.51



DIR6-40

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	5.8	5.8
45°	5.3	2.8
55°	3.2	1.5
60°	2.4	1.2
65°	2.4	1.1
70°	2.3	1.0
85°	1.1	.6

COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.25	.20	.17	.25	.20	.16	.23	.19	.16	.23	.19	.15
I	0.8		.33	.27	.23	.33	.27	.22	.30	.25	.22	.29	.25	.21
H	1.0		.40	.33	.29	.39	.33	.28	.35	.30	.26	.34	.30	.27
G	1.25		.47	.40	.35	.45	.39	.34	.40	.35	.31	.39	.35	.31
F	1.5		.53	.45	.40	.50	.44	.39	.45	.39	.35	.43	.38	.35
E	2.0		.61	.53	.48	.57	.51	.46	.50	.45	.41	.48	.44	.40
D	2.5		.67	.60	.54	.61	.56	.51	.55	.50	.46	.51	.48	.44
C	3.0		.71	.64	.59	.65	.60	.55	.57	.53	.49	.54	.50	.48
B	4.0		.77	.71	.66	.69	.65	.61	.61	.57	.54	.57	.54	.52
A	5.0		.82	.77	.72	.72	.69	.65	.64	.61	.58	.59	.57	.55

SPECIFICATIONS

SPECIFICATIONS: Fixture shall be a general diffuse louvered unit, completely wired, ready for installation. **Housing** channel shall be formed of 20-gauge steel, completely enclosed. **Side shields** shall be formed of 20-gauge, inner end cap 18-gauge, outer end caps 22-gauge and end trim 22-gauge steel and be an integral part of the louver. **Louvers** shall be a single steel assembly permanently welded at each intersection to open from either end and hang suspended by strong lever-hangers. **Ballasts** shall be CBM-certified Rapid-Start High Power Type (Note: for Slimline units substitute "Slimline Series High Power Factor Type"). **Finish** shall be White Supercoat Baked Enamel on bonderized surfaces with end sections in aluminum. Reflectivity of all reflecting surfaces shall be not less than 85%. The complete unit shall be UL-approved and bear the label of the I.B.E.W., A.F. of L.

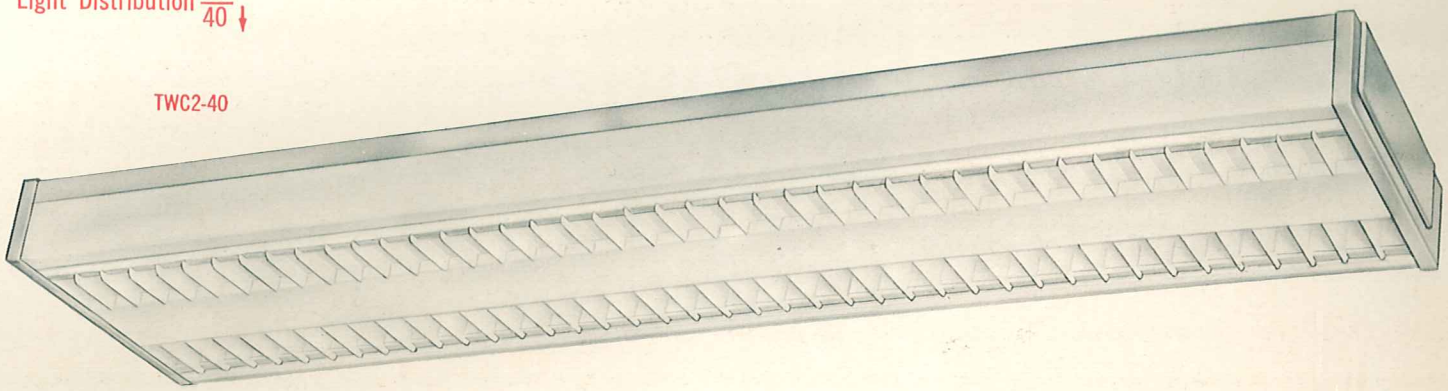
Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-200
Printed in U.S.A.

5-57-RL

Light Distribution 60 / 40

TWC2-40



TWOSOME is a high quality, top value, low cost luminaire which provides 45° x 45° shielding in a very shallow unit by means of a new design technique. This design technique utilizes the new Smithcraft *Compound Shielding*. The TWOSOME is particularly suited because of its shallowness and because of its shielding for schools, offices, stores and all types of interiors.

LIGHTING CHARACTERISTICS — The new Smithcraft Compound Shielding consists of a center strip of extruded impact-resistant polystyrene with steel baffles on either side finished in baked white enamel. 45° x 45° shielding is achieved with the complete absence of the dark center strip usually found in very shallow units of other manufacture. The side diffusers are of extruded polystyrene contained within a steel frame and furnish a soft pleasing side illumination. A light spill at the end of the unit minimizes contrast between the end and the fixture itself and accentuates the precise architectural lines of the fixture. Top reflectors for 100% downlighting are available.

MOUNTING — The unit may be installed surface or pendant, individually or in continuous rows. The SS118 Stem Set, with a clamp that can be slid along the housing, is recommended for this unit.

MAINTENANCE — Because the bottom shielding and side shields of the unit are a single complete assembly, maintenance is simplified. The assembly opens by simply lifting up and swinging down. The shielding hinges from either side and may be completely removed. The Smithcraft Bonderite and Baked Enamel finish adheres firmly to the metal, stays white without yellowing, provides positive resistance to chemicals and heat, resists abrasions, and reflects a maximum percentage of light.

TWC

Smithcraft

TWOSOME

with 45° x 45° Compound Shielding for RAPID-START BI-PIN LAMPS and SLIMLINE LAMPS

See Catalog Page B-210A for the Twosome with Plastic Louvers or Flanged Polystyrene.
See Catalog Page B-210B for the Twosome with various glass shielding media.

CATALOG INFORMATION

COMPOUND SHIELDING (PROVIDING 45° x 45° SHIELDING)
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.
TWC2-40	2 F40T12RS	23
TWC2-42	4 F40T12RS (8′ Housing)	43
TWC4-40	4 F40T12RS	34
TWC4-42	8 F40T12RS (8′ Housing)	63

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.
TWC2-96	2 F96T12	46
TWC4-96	4 F96T12	67
Packed one complete unit to a carton with all fittings for normal continuous row mounting.		

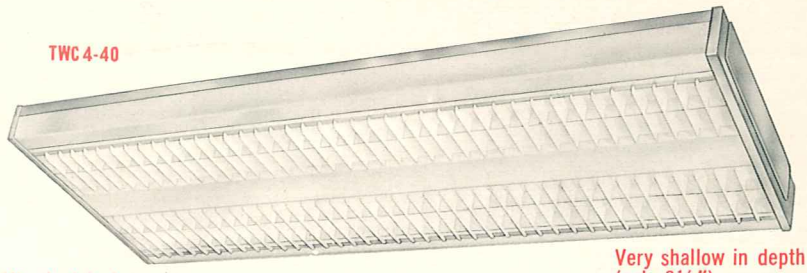
TOP REFLECTORS FOR DOWNLIGHTING

Catalog No.	For Use With	Catalog No.	For Use With
T-48	4′ units — 2 lamp	T-962	8′ units — 2 lamp
T-484	4′ units — 4 lamp	T-964	8′ units — 4 lamp

CANOPY AND STEM SET

SS118 Canopy and Stem Set — Canopy, single 15" steel stem (o.d. ½"), heavy canopy bar, tong channel bracket, adjustable stem fittings.
Longer lengths are available on special order.

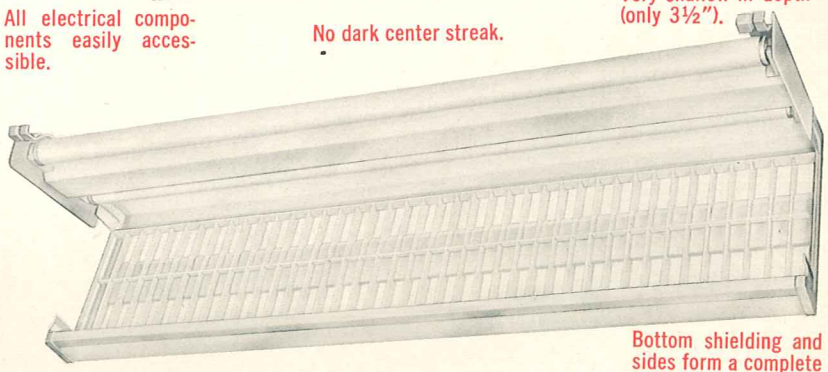
TWC 4-40



Very shallow in depth (only 3½").

All electrical components easily accessible.

No dark center streak.



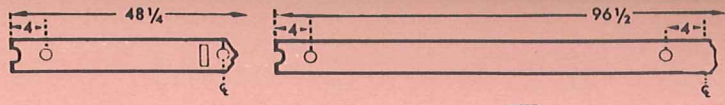
Bottom shielding and sides form a complete assembly that hinges open from either side. Side shields are of extruded polystyrene within a steel frame.

Light spill at end caps reduces contrast.

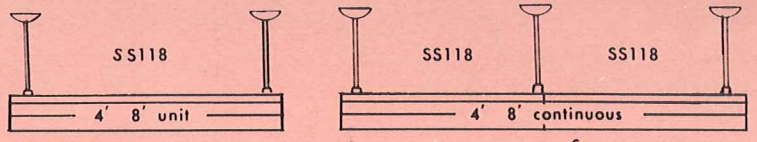
Compound bottom shielding provides 45° x 45° shielding.

TWOSOME
with compound shielding

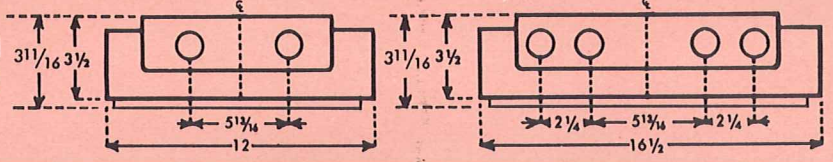
SPACING OF KNOCKOUTS



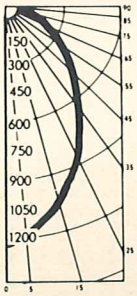
SUGGESTED PENDANT MOUNTING



END SECTION DIMENSIONS



SS118 — Canopy and Stem Set — for fast-labor-saving installation. One side of clamp fits on housing — other side swings down to grip housing. Top lock nut is tightened. Clamp is slideable along housing when individually mounted. May be used between fixtures in continuous rows.



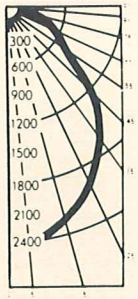
TWC 2-40 surface mounted

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0	5.7	5.5
10	5.7	5.0
20	5.6	4.2
30	5.1	3.3
40	2.9	2.1
45	2.1	1.5
50	1.8	1.4
55	1.5	1.3
60	1.5	1.1
65	1.2	1.0
70	1.2	1.0
80	1.2	0.8
85	1.1	0.4
90	1.2	0.0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.22	.18	.16	.21	.18	.16	.21	.18	.16	.21	.18	.16
I	0.8	.28	.24	.21	.27	.23	.21	.26	.23	.21	.26	.23	.20
H	1.0	.31	.27	.24	.30	.26	.24	.30	.27	.24	.29	.26	.24
G	1.25	.35	.31	.28	.33	.30	.27	.33	.30	.27	.32	.29	.24
F	1.5	.38	.34	.31	.36	.32	.30	.36	.33	.30	.34	.32	.29
E	2.0	.42	.38	.35	.39	.36	.33	.40	.37	.34	.37	.35	.33
D	2.5	.45	.41	.38	.41	.38	.36	.42	.39	.37	.39	.37	.35
C	3.0	.47	.44	.41	.42	.40	.38	.43	.41	.39	.41	.39	.37
B	4.0	.50	.47	.44	.44	.42	.40	.46	.44	.42	.42	.41	.39
A	5.0	.52	.50	.47	.46	.44	.42	.48	.46	.44	.44	.42	.41



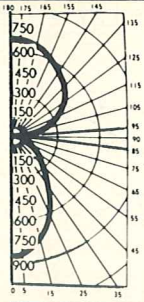
TWC 4-40 surface mounted

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0	6.8	6.7
10	6.6	6.2
20	6.5	5.2
30	6.1	4.2
40	5.1	2.9
45	4.5	2.2
50	3.7	1.9
55	3.0	1.7
60	2.4	1.6
65	2.1	1.4
70	1.7	1.3
80	1.4	1.1
85	1.4	0.7
90	1.4	0.0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.23	.19	.17	.22	.19	.17	.22	.19	.17	.21	.18	.17
I	0.8	.28	.24	.22	.27	.24	.21	.27	.24	.21	.26	.23	.21
H	1.0	.32	.28	.25	.30	.27	.25	.30	.27	.25	.29	.27	.24
G	1.25	.36	.32	.29	.34	.30	.28	.34	.31	.28	.33	.30	.28
F	1.5	.39	.35	.32	.36	.33	.30	.37	.33	.31	.35	.32	.30
E	2.0	.43	.39	.36	.39	.36	.34	.40	.37	.35	.37	.35	.34
D	2.5	.46	.42	.39	.41	.39	.36	.42	.39	.37	.40	.37	.36
C	3.0	.47	.44	.41	.42	.40	.38	.44	.41	.40	.41	.39	.38
B	4.0	.50	.47	.45	.44	.42	.40	.46	.44	.42	.42	.41	.40
A	5.0	.52	.49	.47	.46	.44	.42	.47	.46	.44	.44	.42	.41



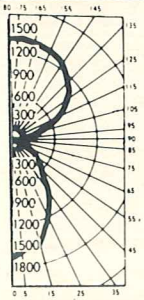
TWC 2-40 pendant mounted

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0	4.9	4.9
10	4.7	4.5
20	4.6	3.6
30	4.0	2.8
40	2.8	1.7
45	2.1	1.2
50	1.5	1.0
55	1.0	0.9
60	1.0	0.8
65	0.9	0.7
70	0.7	0.7
80	0.7	0.6
85	0.7	0.4
90	0.6	0.0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.22	.17	.14	.21	.16	.14	.19	.15	.13	.19	.15	.13
I	0.8	.28	.23	.19	.27	.22	.19	.24	.20	.17	.24	.20	.17
H	1.0	.34	.27	.24	.33	.27	.23	.28	.24	.21	.28	.24	.21
G	1.25	.40	.33	.28	.38	.32	.28	.33	.28	.25	.31	.27	.25
F	1.5	.44	.38	.33	.42	.36	.32	.36	.31	.28	.35	.31	.28
E	2.0	.52	.45	.39	.48	.43	.38	.41	.36	.33	.39	.35	.32
D	2.5	.57	.51	.45	.52	.47	.43	.44	.40	.37	.42	.38	.35
C	3.0	.61	.54	.50	.55	.51	.46	.46	.43	.39	.43	.41	.38
B	4.0	.66	.61	.56	.59	.55	.51	.50	.46	.44	.46	.44	.42
A	5.0	.70	.66	.62	.62	.59	.55	.52	.49	.47	.48	.46	.44



TWC 4-40 pendant mounted

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0	5.2	5.4
10	5.2	5.0
20	4.8	4.2
30	4.1	3.2
40	2.7	2.2
45	2.5	1.6
50	2.3	1.4
55	2.0	1.3
60	1.6	1.2
65	1.3	1.0
70	1.1	0.9
80	0.7	0.8
85	0.6	0.5
90	0.6	0.0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.21	.17	.13	.21	.16	.13	.19	.15	.12	.18	.15	.12
I	0.8	.28	.20	.19	.27	.22	.19	.24	.20	.17	.23	.20	.17
H	1.0	.34	.28	.23	.33	.27	.23	.28	.24	.20	.28	.23	.20
G	1.25	.40	.34	.28	.38	.31	.28	.33	.28	.25	.32	.27	.24
F	1.5	.45	.38	.33	.43	.39	.33	.36	.32	.28	.35	.31	.27
E	2.0	.53	.45	.40	.49	.43	.39	.41	.36	.33	.39	.35	.32
D	2.5	.58	.51	.46	.53	.48	.43	.44	.40	.37	.42	.38	.36
C	3.0	.62	.56	.51	.56	.52	.47	.47	.43	.40	.44	.41	.38
B	4.0	.67	.62	.57	.60	.57	.53	.50	.47	.44	.47	.44	.42
A	5.0	.71	.68	.64	.62	.60	.56	.52	.50	.47	.49	.47	.45

SPECIFICATIONS

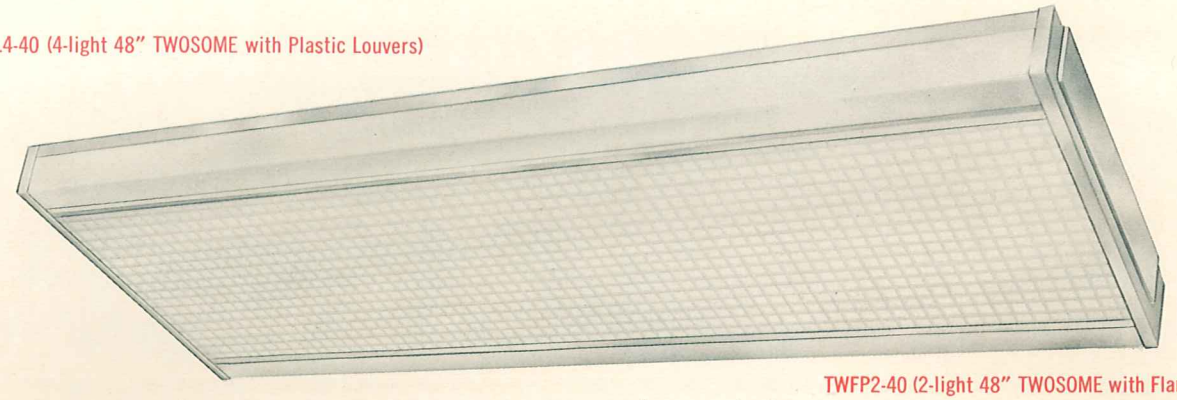
SPECIFICATIONS — Fixture shall be general diffuse, completely wired, ready for installation. **Housing** shall be one-piece of 20-gauge steel, shall contain the ballast, and shall be enclosed on the bottom by a cover which also acts as a reflector. **Side and Bottom Shielding Assembly** shall be a single unit supported from the housing and shall hinge open from either side by lifting one side of the assembly and swinging down. Bottom shielding shall provide 45° x 45° shielding, and shall be of steel cross baffles with a center strip of extruded polystyrene. Side shields shall be formed of extruded polystyrene within a steel frame. **Ballasts** shall be CBM-certified Rapid Start (Note: for Slimline units, substitute "Slimline Series Sequence" after "CBM-certified".) **Finish** shall be bonderite and high temperature baked enamel, with reflectance of not less than 85%, applied on bonderized surfaces. Complete unit shall be U.L.-approved and bear the label of I.B.E.W., A.F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

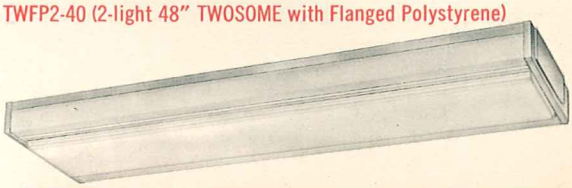
Form No. B-210
Printed in U.S.A.

7/57-RL

TWPL4-40 (4-light 48" TWOSOME with Plastic Louvers)



TWFP2-40 (2-light 48" TWOSOME with Flanged Polystyrene)



TWPL·TWFP

Smithcraft TWOSOME

with optional shielding media

FOR RAPID START BI-PIN LAMPS AND SLIMLINE LAMPS

LIGHTING CHARACTERISTICS — Plastic Louvered units are clean and trim in appearance and provide a shielding of 45° x 45°. The unit when shielded by Flanged Polystyrene is very modern in appearance. This shielding has a high impact strength, break resistance and light stability after prolonged use. Side diffusers are of extruded polystyrene within a steel frame. A light spill at the ends of the unit when installed individually reduces contrast between the ends of the unit and the fixture itself and accentuates the precise architectural lines of the fixture. Top reflectors for 100% downlighting are available.

MOUNTING — The unit may be installed surface or pendant, individually or in continuous rows. The SS118 Stem Set, with a clamp that can be slid along the housing, is recommended for the unit.

MAINTENANCE — Because the bottom shielding and side shields of the unit are a single complete assembly, maintenance is simplified. The assembly opens by simply lifting up and swinging down. The shielding hinges from either side and may be completely removed. The Smithcraft Bonderite and Baked Enamel finish adheres firmly to the metal, stays white without yellowing, provides positive resistance to chemicals and heat, resists abrasions, and reflects a maximum percentage of light.

In addition to the Twosome units shown on this page, See Catalog Page B-210 for the Twosome with 45° x 45° compound shielding and Catalog Page B-210B for the Twosome with various types of glass shielding.

CATALOG INFORMATION

TWOSOME WITH PLASTIC LOUVERS (Providing 45° x 45° Shielding)

FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
TWPL2-40	2 F40T12RS	20	TWPL2-96	2 F96T12	40
TWPL2-42	4 F40T12RS (8′ Housing)	37	TWPL4-96	4 F96T12	54
TWPL4-40	4 F40T12RS	28			
TWPL4-42	8 F40T12RS (8′ Housing)	50			

TWOSOME WITH FLANGED POLYSTYRENE (Impact Resistant)

FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
TWFP2-40	2 F40T12RS	21	TWFP2-96	2 F96T12	41
TWFP2-42	4 F40T12RS (8′ Housing)	38	TWFP4-96	4 F96T12	56
TWFP4-40	4 F40T12RS	30			
TWFP4-42	8 F40T12RS (8′ Housing)	52			

Packed one complete unit to a carton with all fittings for normal continuous row mounting.

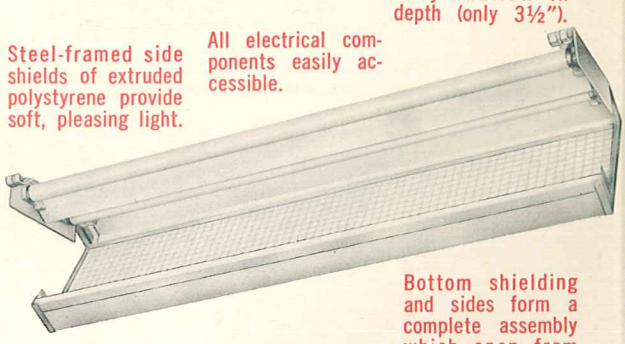
TOP REFLECTORS FOR DOWNLIGHTING

Catalog No.	For Use With	Catalog No.	For Use With
T-48	4′ units — 2 lamp	T-962	8′ units — 2 lamp
T-484	4′ units — 4 lamp	T-964	8′ units — 4 lamp

Very shallow in depth (only 3½").

Steel-framed side shields of extruded polystyrene provide soft, pleasing light.

All electrical components easily accessible.



Bottom shielding and sides form a complete assembly which open from either side.

Diversified selection of shielding media available.

Light spill at end caps reduces contrast.

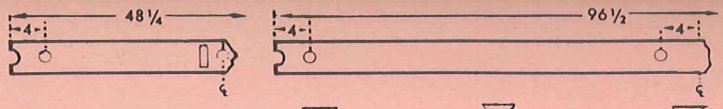
CANOPY AND STEM SET

Catalog No. and Description
SS118 Canopy and Stem Set — Canopy, single 15" steel stem (o.d. ½"), heavy canopy bar, tong channel bracket, adjustable stem fittings.

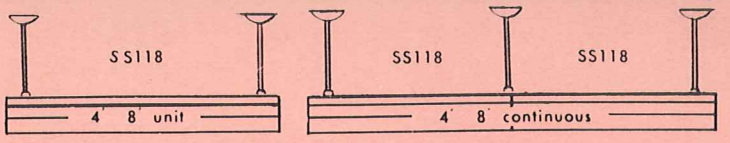
TWPL • TWFP TWOSOME

with optional shielding media

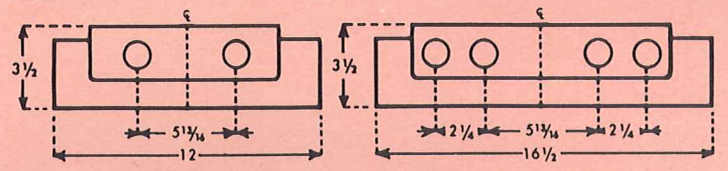
SPACING OF KNOCKOUTS



SUGGESTED PENDANT MOUNTINGS



END SECTION DIMENSIONS



SS118 — Canopy and Stem Set — for fast-labor-saving installation. One side of clamp fits on housing — other side swings down to grip housing. Top lock nut is tightened. Clamp is slideable along housing when individually mounted. May be used between fixtures in continuous rows.



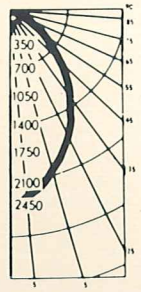
TWPL 2-40 surface mounted

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0	5.0	4.9
10	4.4	4.5
20	3.5	3.8
30	2.8	2.9
40	1.8	2.1
45	1.3	1.7
50	1.2	1.5
55	1.2	1.4
60	1.2	1.3
65	1.2	1.2
70	1.2	1.1
80	1.2	0.8
85	1.3	0.4
90	1.3	0.0

COEFFICIENTS OF UTILIZATION

		80% Ceiling	80% Ceiling	50% Ceiling	50% Ceiling
		30% Floor	10% Floor	30% Floor	10% Floor
Room Index	Room Ratio	Walls 50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%
J	0.6	.20 .17 .14	.19 .16 .14	.19 .16 .14	.19 .16 .14
I	0.8	.25 .21 .19	.24 .21 .19	.24 .21 .19	.23 .21 .18
H	1.0	.29 .25 .22	.27 .24 .22	.27 .24 .22	.26 .23 .22
G	1.25	.32 .28 .25	.30 .27 .25	.30 .27 .25	.29 .26 .25
F	1.5	.35 .31 .28	.33 .29 .27	.33 .30 .27	.31 .29 .27
E	2.0	.38 .35 .32	.35 .33 .30	.36 .33 .31	.34 .32 .30
D	2.5	.41 .39 .35	.36 .35 .33	.38 .36 .33	.36 .34 .32
C	3.0	.43 .40 .37	.39 .37 .34	.40 .37 .35	.37 .35 .34
B	4.0	.46 .43 .40	.41 .39 .37	.42 .40 .38	.39 .37 .36
A	5.0	.48 .45 .43	.42 .40 .39	.44 .42 .40	.40 .39 .38



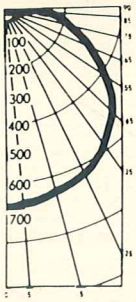
TWPL 4-40 surface mounted

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0	6.9	6.7
10	6.6	6.2
20	5.9	5.4
30	4.8	4.7
40	3.7	3.6
45	2.8	3.0
50	2.6	2.7
55	2.3	2.4
60	2.1	2.3
65	1.8	2.1
70	1.6	1.9
80	1.5	1.5
85	1.8	1.1
90	1.9	0.0

COEFFICIENTS OF UTILIZATION

		80% Ceiling	80% Ceiling	50% Ceiling	50% Ceiling
		30% Floor	10% Floor	30% Floor	10% Floor
Room Index	Room Ratio	Walls 50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%
J	0.6	.21 .18 .16	.21 .18 .16	.21 .18 .16	.20 .18 .16
I	0.8	.27 .23 .21	.26 .23 .20	.26 .23 .20	.25 .22 .20
H	1.0	.30 .26 .24	.29 .26 .23	.29 .26 .23	.28 .25 .23
G	1.25	.34 .30 .27	.32 .29 .27	.32 .29 .27	.31 .28 .26
F	1.5	.37 .33 .30	.34 .31 .29	.35 .32 .29	.33 .31 .29
E	2.0	.41 .37 .34	.37 .34 .32	.38 .35 .33	.36 .34 .32
D	2.5	.43 .40 .37	.39 .37 .34	.40 .37 .35	.37 .36 .34
C	3.0	.45 .42 .39	.40 .38 .36	.41 .39 .37	.39 .37 .36
B	4.0	.48 .45 .42	.42 .40 .38	.44 .42 .40	.40 .39 .38
A	5.0	.49 .47 .45	.43 .42 .40	.45 .43 .42	.42 .40 .39



TWFP 2-40 surface mounted

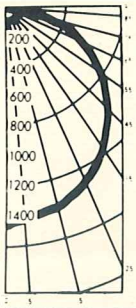
MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0	1.8	1.8
10	1.7	1.8
20	1.7	1.7
30	1.7	1.7
40	1.6	1.6
45	1.6	1.6
50	1.5	1.5
55	1.5	1.5
60	1.4	1.4
65	1.4	1.3
70	1.2	1.3
80	1.2	0.9
85	1.3	0.5
90	1.3	0.3

COEFFICIENTS OF UTILIZATION

		80% Ceiling	80% Ceiling	50% Ceiling	50% Ceiling
		30% Floor	10% Floor	30% Floor	10% Floor
Room Index	Room Ratio	Walls 50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%
J	0.6	.18 .15 .12	.17 .14 .12	.17 .14 .12	.17 .14 .12
I	0.8	.23 .19 .16	.23 .19 .16	.22 .19 .16	.22 .18 .16
H	1.0	.28 .23 .20	.26 .22 .20	.26 .22 .20	.25 .22 .20
G	1.25	.32 .27 .24	.30 .26 .23	.30 .26 .23	.29 .23 .20
F	1.5	.35 .30 .27	.32 .29 .26	.33 .29 .26	.31 .28 .26
E	2.0	.39 .35 .31	.36 .32 .30	.36 .33 .30	.34 .31 .29
D	2.5	.42 .38 .35	.38 .35 .33	.39 .36 .33	.37 .34 .32
C	3.0	.44 .41 .37	.40 .37 .35	.41 .38 .36	.38 .36 .34
B	4.0	.48 .44 .41	.42 .40 .37	.43 .41 .39	.40 .38 .37
A	5.0	.50 .47 .45	.44 .42 .40	.45 .43 .42	.42 .40 .39

Photometric information on all Twosome units shown on this page **pendant mounted** is available on request



TWFP 4-40 surface mounted

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0	3.0	2.8
10	3.0	2.8
20	2.8	2.7
30	2.7	2.6
40	2.6	2.5
45	2.5	2.5
50	2.5	2.4
55	2.4	2.3
60	2.4	2.2
65	2.2	2.2
70	2.1	2.0
80	1.9	1.5
85	1.8	0.9
90	1.6	0.3

COEFFICIENTS OF UTILIZATION

		80% Ceiling	80% Ceiling	50% Ceiling	50% Ceiling
		30% Floor	10% Floor	30% Floor	10% Floor
Room Index	Room Ratio	Walls 50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%
J	0.6	.19 .15 .13	.18 .15 .13	.18 .15 .13	.17 .15 .13
I	0.8	.24 .20 .17	.23 .20 .17	.23 .20 .17	.22 .19 .17
H	1.0	.28 .24 .21	.27 .23 .21	.27 .21 .21	.26 .23 .20
G	1.25	.32 .28 .25	.30 .27 .24	.30 .27 .24	.29 .26 .24
F	1.5	.35 .31 .28	.33 .29 .27	.33 .30 .27	.31 .29 .27
E	2.0	.40 .36 .32	.36 .33 .31	.37 .34 .31	.35 .32 .30
D	2.5	.43 .39 .36	.39 .36 .33	.39 .44 .34	.37 .36 .33
C	3.0	.45 .41 .38	.40 .37 .35	.41 .38 .36	.38 .36 .36
B	4.0	.47 .44 .42	.42 .40 .39	.43 .41 .39	.40 .39 .37
A	5.0	.50 .47 .45	.43 .42 .40	.45 .44 .42	.42 .40 .39

SPECIFICATIONS

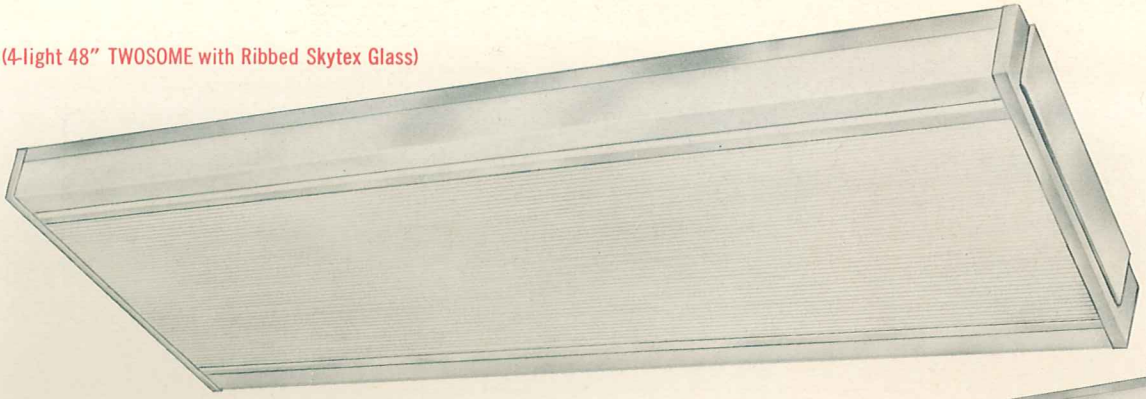
SPECIFICATIONS — Fixture shall be general diffuse, completely wired, ready for installation. **Housing** shall be one-piece of 20-gauge steel, shall contain the ballast, and shall be enclosed on the bottom by a cover which also acts as a reflector. **Side and Bottom Shielding** shall be a single unit supported from the housing and shall hinge open from either side by lifting one side of the assembly and swinging down. Bottom shielding shall be 4-foot, one-piece plastic louvers of injection molded polystyrene with a shielding of 45° x 45° (for Flanged Polystyrene, substitute "shall be high-impact strength, light-stable polystyrene".) Side shields shall be of extruded polystyrene within a steel frame. **Ballasts** shall be CBM-certified Rapid Start (Note: for Slimline units, substitute "Slimline Series Sequence" after "CBM-certified".) **Finish** shall be high-temperature baked enamel, with reflectance of not less than 85%, applied on bonderized surfaces. Complete unit shall be U.L.-approved, and bear the label of I.B.E.W., A.F. of L.

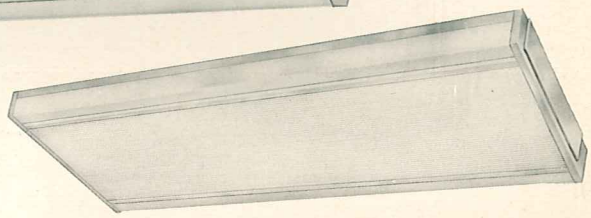
Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-210A
Printed in U.S.A.

7/57-RL

TWR4-40 (4-light 48" TWOSOME with Ribbed Skytex Glass)





TWA-40 (4 light 48" Twosome with Albalite Glass Shielding)

TWA·TWR·TWS

Smithcraft TWOSOME

with optional shielding media FOR RAPID START BI-PIN LAMPS AND SLIMLINE LAMPS

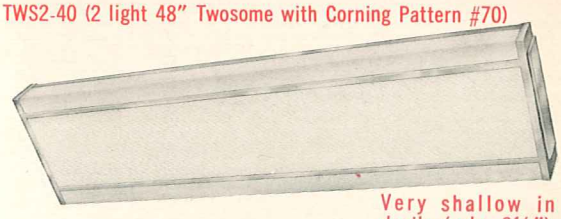
LIGHTING CHARACTERISTICS — Ribbed Glass-shielded Twosome units, Albalite-shielded Twosome units, and Corning Pattern #70 Twosome units shown on this page all offer a softly diffused comfortable low brightness. They are very clean in appearance with a uniform brightness over the entire shielding. Side diffusers are of extruded polystyrene within a steel frame. Light spill at the ends of the unit when installed individually reduces contrast between the ends of the unit and the fixture itself and accentuates the precise architectural lines of the fixture. Top reflectors for 100% downlighting are available.

MOUNTING — The unit may be installed surface or pendant, individually or in continuous rows. The SS118 Stem Set, with a clamp that can be slid along the housing, is recommended for the unit.

MAINTENANCE — Because the bottom shielding and side shields of the unit are a single complete assembly, maintenance is simplified. The assembly opens by simply lifting up and swinging down. The shielding hinges from either side and may be completely removed. The Smithcraft Bonderite and Baked Enamel finish adheres firmly to the metal, stays white without yellowing, provides positive resistance to chemicals and heat, resists abrasions, and reflects a maximum percentage of light.

See Catalog Page B-210 for the Twosome with 45° x 45° compound shielding. See Catalog Page B-210A for the Twosome with Plastic Louvers and with Flanged Polystyrene.

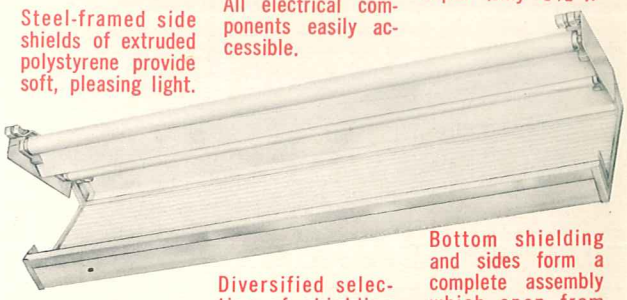
TWS2-40 (2 light 48" Twosome with Corning Pattern #70)



Very shallow in depth (only 3½").

Steel-framed side shields of extruded polystyrene provide soft, pleasing light.

All electrical components easily accessible.



Light spill at end caps reduces contrast.

Diversified selection of shielding media available.

Bottom shielding and sides form a complete assembly which open from either side.

CATALOG INFORMATION

TWOSOME WITH ALBALITE GLASS

FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
TWA2-40 TWA2-42	2 F40T12RS 4 F40T12RS (8′ housing)	24 45	TWA2-96 TWA4-96	2 F96T12 4 F96T12	48 68
TWA4-40 TWA4-42	4 F40T12RS 8 F40T12RS (8′ housing)	35 64			

TWOSOME WITH RIBBED SKYTEX GLASS

FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
TWR2-40 TWR2-42	2 F40T12RS 4 F40T12RS (8′ Housing)	24 45	TWR2-96 TWR4-96	2 F96T12 4 F96T12	48 68
TWR4-40 TWR4-42	4 F40T12RS 8 F40T12RS (8′ Housing)	35 64			

TWOSOME WITH CORNING PATTERN #70 GLASS

FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
TWS2-40 TWS2-42	2 F40T12RS 4 F40T12RS (8′ housing)	24 45	TWS2-96 TWS4-96	2 F96T12 4 F96T12	48 68
TWS4-40 TWS4-42	4 F40T12RS 8 F40T12RS (8′ housing)	35 64			

Packed one complete unit to a carton with all fittings for normal continuous row mounting.

CANOPY AND STEM SET

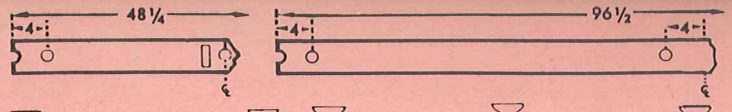
Catalog No. and Description
SS118 Canopy and Stem Set — Canopy, single 15" steel stem (o.d. ½"), heavy canopy bar, tong channel bracket, adjustable stem fittings.

TOP REFLECTORS FOR DOWNLIGHTING

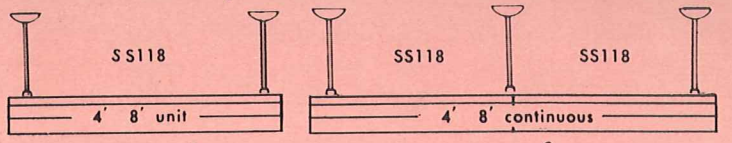
Catalog No.	For Use With	Catalog No.	For Use With
T-48	4′ units — 2 lamp	T-962	8′ units — 2 lamp
T-484	4′ units — 4 lamp	T-964	8′ units — 4 lamp

TWA • TWR • TWS
TWOSOME
with optional shielding media

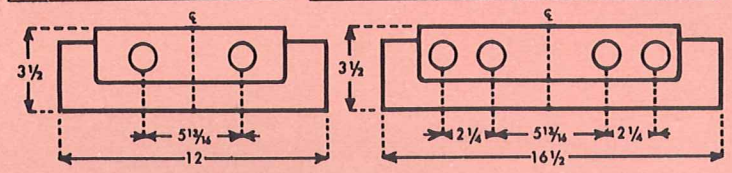
SPACING OF KNOCKOUTS



SUGGESTED PENDANT MOUNTINGS

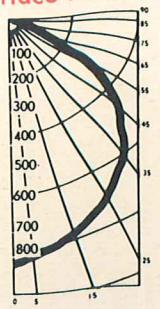


END SECTION DIMENSIONS



SS118 — Canopy and Stem Set — for fast-labor-saving installation. One side of clamp fits on housing — other side swings down to grip housing. Top lock nut is tightened. Clamp is slideable along housing when individually mounted. May be used between fixtures in continuous rows.

TWA 2-40
surface mounted



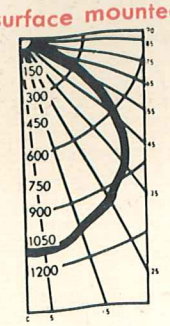
COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor			80% Ceiling 10% Floor			50% Ceiling 30% Floor			50% Ceiling 10% Floor		
			50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.20	.17	.14	.20	.17	.14	.20	.16	.14	.19	.16	.14
I	0.8		.26	.22	.19	.25	.22	.19	.25	.22	.19	.24	.21	.19
H	1.0		.31	.26	.23	.29	.25	.23	.29	.25	.23	.28	.25	.22
G	1.25		.35	.31	.27	.33	.28	.26	.33	.32	.26	.32	.28	.26
F	1.5		.39	.34	.30	.36	.32	.29	.36	.32	.29	.34	.31	.29
E	2.0		.43	.39	.35	.39	.36	.33	.40	.37	.34	.37	.35	.33
D	2.5		.46	.42	.39	.42	.39	.36	.43	.39	.37	.40	.38	.35
C	3.0		.48	.45	.41	.43	.41	.38	.44	.42	.39	.41	.39	.37
B	4.0		.52	.48	.45	.46	.43	.41	.47	.45	.42	.44	.42	.40
A	5.0		.54	.51	.49	.47	.45	.43	.49	.47	.45	.45	.44	.42

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0	3.1	3.0
10	3.1	2.9
20	2.9	2.8
30	2.7	2.7
40	2.4	2.4
45	2.1	2.3
50	2.0	2.2
55	1.8	2.1
60	1.7	2.0
65	1.5	1.8
70	1.4	1.7
80	1.3	1.1
85	1.3	0.6
90	1.3	0.0

TWR 2-40
surface mounted



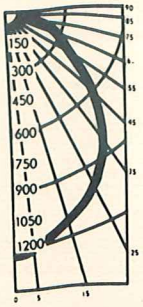
COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor			80% Ceiling 10% Floor			50% Ceiling 30% Floor			50% Ceiling 10% Floor		
			50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.24	.20	.17	.23	.20	.17	.23	.20	.17	.22	.19	.17
I	0.8		.30	.26	.23	.29	.25	.23	.29	.25	.23	.28	.25	.23
H	1.0		.34	.30	.27	.33	.29	.26	.33	.29	.26	.32	.28	.26
G	1.25		.39	.34	.31	.36	.33	.30	.37	.33	.30	.35	.32	.30
F	1.5		.42	.37	.34	.39	.35	.33	.39	.36	.33	.37	.35	.32
E	2.0		.46	.42	.39	.42	.39	.37	.43	.40	.37	.41	.38	.36
D	2.5		.49	.45	.42	.44	.42	.39	.45	.43	.40	.43	.40	.39
C	3.0		.51	.48	.44	.46	.43	.41	.47	.45	.42	.44	.42	.40
B	4.0		.54	.51	.48	.47	.45	.43	.49	.47	.45	.46	.44	.43
A	5.0		.51	.53	.51	.49	.47	.46	.51	.49	.48	.47	.46	.45

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0	4.3	4.1
10	4.1	4.0
20	3.9	3.9
30	3.1	3.6
40	2.3	3.1
45	1.7	2.7
50	1.2	2.4
55	1.1	2.0
60	1.1	1.8
65	1.2	1.4
70	1.2	1.0
80	1.2	0.4
85	1.2	0.2
90	1.2	0.0

TWS 2-40
surface mounted



COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor			80% Ceiling 10% Floor			50% Ceiling 30% Floor			50% Ceiling 10% Floor		
			50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.26	.22	.19	.25	.21	.19	.25	.21	.19	.24	.21	.19
I	0.8		.33	.28	.25	.32	.28	.25	.31	.28	.25	.31	.27	.25
H	1.0		.38	.33	.29	.36	.32	.29	.34	.31	.29	.35	.31	.29
G	1.25		.42	.37	.34	.40	.36	.33	.40	.36	.33	.38	.35	.33
F	1.5		.46	.41	.37	.43	.39	.36	.43	.39	.36	.41	.38	.35
E	2.0		.51	.46	.42	.46	.43	.40	.48	.44	.41	.44	.42	.39
D	2.5		.54	.49	.46	.48	.45	.43	.52	.47	.44	.47	.44	.42
C	3.0		.56	.52	.49	.50	.47	.45	.54	.52	.46	.48	.46	.44
B	4.0		.59	.56	.53	.52	.50	.48	.54	.52	.50	.50	.48	.47
A	5.0		.62	.59	.56	.54	.52	.50	.56	.54	.52	.52	.50	.49

MAXIMUM BRIGHTNESSES

Vertical Angle	Across	Lengthwise
0°	4.8	4.8
10°	4.6	4.7
20°	4.3	4.5
30°	4.0	4.2
40°	3.3	3.4
45°	2.7	2.7
50°	2.0	2.0
55°	1.3	1.6
60°	1.3	1.3
65°	1.2	1.1
70	1.2	1.0
80°	1.2	0.6
85°	1.2	0.6
90	1.2	0.0

Photometric information on 4-light Twosome units with shielding media shown on this page is available on request. Information is also available on all these Twosome units pendant mounted.

SPECIFICATIONS

SPECIFICATIONS — Fixture shall be general diffuse, completely wired, ready for installation. **Housing** shall be one-piece of 20-gauge steel, shall contain the ballast, and shall be enclosed on the bottom by a cover which also acts as a reflector. **Side and Bottom Shielding Assembly** shall be a single unit supported from the housing and shall hinge open from either side by lifting one side of the assembly and swinging down. **Bottom Shielding** shall be 4-foot one-piece section of Ribbed Glass. (Note: For Albalite Shielding, substitute "4-foot one-piece section of Albalite".) (Note: For Corning Pattern #70, substitute "4-foot one-piece section of Corning Pattern #70 glass".) Side shields shall be of extruded polystyrene within a steel frame. **Ballasts** shall be CBM-certified Rapid-Start (Note: for slimline units, substitute, "Slimline Series Sequence" after "CBM-certified".) **Finish** shall be high-temperature baked enamel, with reflectance of not less than 85%, applied on bonderized surfaces. Complete unit shall be U.L.-approved, and bear the label of I.B.E.W., A.F. of L.

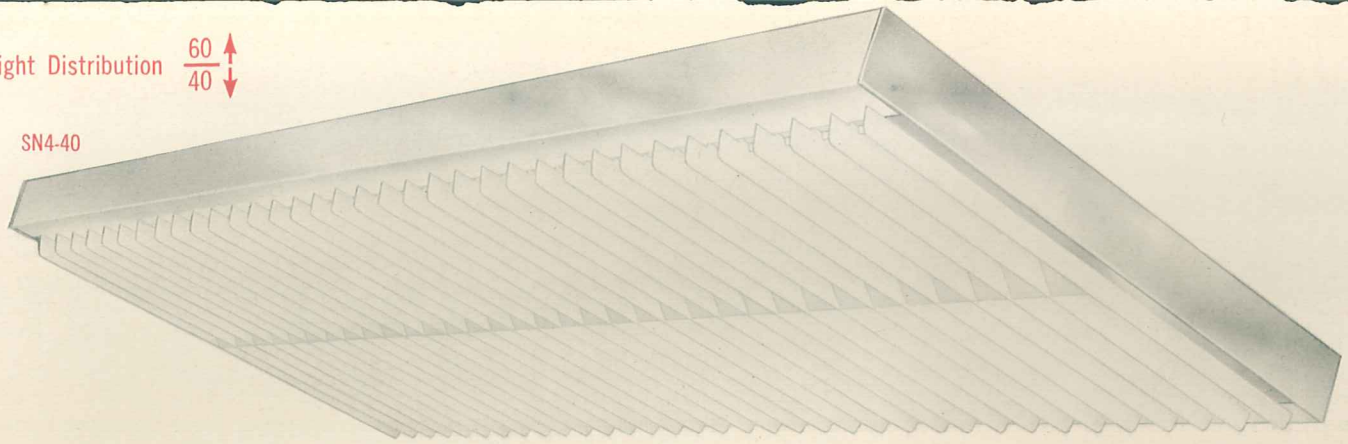
Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-210B
Printed in U.S.A.

7/57-RL

Light Distribution 60/40

SN4-40



The SHERATON is a very shallow louvered unit with translucent plastic sides — modern and distinctive in design. Because it is only 3¼" deep, SHERATON is ideally suited for low-ceiling installations, such as classrooms, offices and similar interiors. Because of its clean, uncluttered lines, the SHERATON blends ideally with the ceiling and surroundings.

LIGHTING CHARACTERISTICS — The lighting effect of the SHERATON is very pleasing, with softly-glowing diffused light transmitted outwards through the translucent plastic side panels and a high percentage of well-shielded downlighting. Steel louvers provide a shielding of 30° crosswise, 45° lengthwise. Top reflectors are available for 100% downlighting.

MOUNTING — SHERATON is usually surface-mounted to take advantage of its shallow depth, but installation may be either surface or pendant, individually or in continuous rows. Stem Sets SS102 or SS105 are recommended. When continuous pendant mounted, a special coupling is provided. Sufficient knockouts are provided to simplify and speed installation.

MAINTENANCE — Louvers are securely held by finger-tip catches, and when released, are chain-suspended at a level convenient for cleaning and relamping. The longitudinal V-section of the louver conceals all electrical components and wiring. The Smithcraft Bonderite and Baked Enamel Finish adheres firmly to the metal, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, resists abrasion, and reflects a maximum percentage of light.

SN

Smithcraft

SHERATON

FOR RAPID-START BI-PIN and SLIMLINE LAMPS

CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.
SN2-40	2 F40T12RS	24
SN2-42	4 F40T12RS (8′ Housing)	47
SN4-40	4 F40T12RS	33
SN4-42	8 F40T12RS (8′ Housing)	64

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.
SN2-96	2 F96T12	41
SN2-48	2 F48T12	25
SN4-96	4 F96T12	67
SN4-48	4 F48T12	40

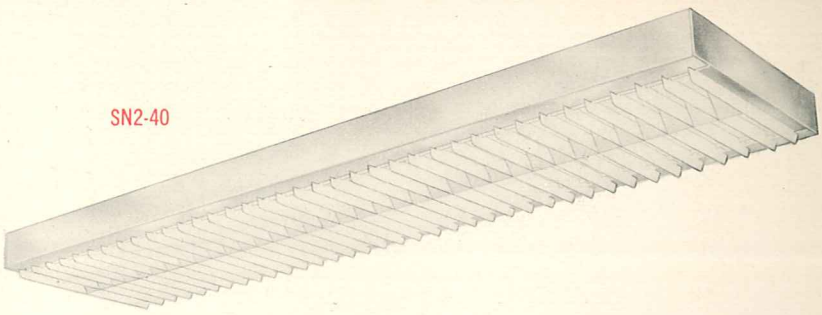
Packed one complete unit to a carton with all fittings for normal continuous row mounting.

TOP REFLECTORS FOR DOWNLIGHTING	S-482	2—lamp 4′
	S-484	4—lamp 4′
	S-962	2—lamp 8′
	S-964	4—lamp 8′

CANOPY AND STEM SETS

Catalog No.	Description	For Use With
SS102	Canopy and Stem Set — canopy, single 15" steel stem (O.D. ½"), heavy canopy bar, fittings. Stem is adjustable after installation.	4′ and 8′ units
SS105	Canopy and Double Stem Set — canopy, two 30" steel stems (O.D. 11/16"—8" on centers). Plate insert with screws. Size of canopy 13½" x 6¼".	4′ units

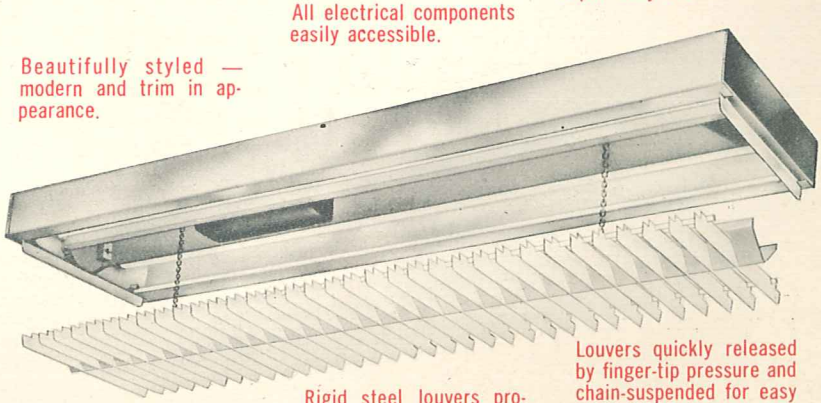
SN2-40



Extremely shallow in depth (only 3¼").

All electrical components easily accessible.

Beautifully styled — modern and trim in appearance.



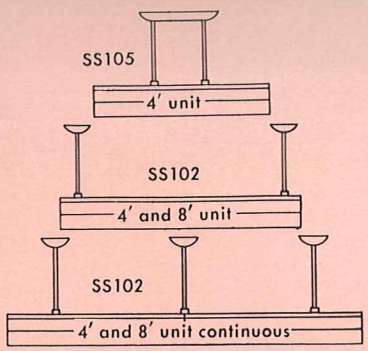
Louvers quickly released by finger-tip pressure and chain-suspended for easy relamping.

Longitudinal rails provide strength and rigidity of louver assembly.

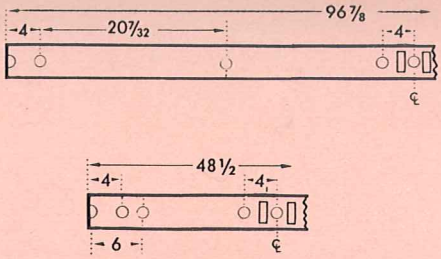
Rigid steel louvers provide a shielding of 30° crosswise, 45° lengthwise.

SHERATON

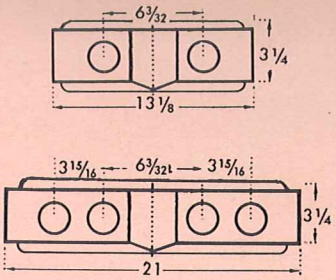
SUGGESTED PENDANT MOUNTING

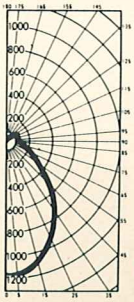


SPACING OF 11/16 KNOCKOUTS



END SECTION DIMENSIONS





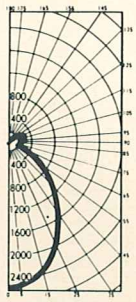
SN2-40 surface mounted

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	5.39	5.43
10°	5.35	5.07
20°	5.31	4.71
30°	5.13	3.30
40°	4.67	1.98
45°	4.25	1.26
50°	3.55	1.10
55°	2.82	.98
60°	2.00	.84
65°	1.32	.74
70°	1.11	.72
80°	1.11	.62
85°	1.11	.52
90°	1.18	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.25	.21	.18	.25	.21	.18	.24	.21	.18	.24	.20	.18
I	0.8	.32	.28	.24	.31	.27	.24	.30	.26	.23	.29	.26	.23
H	1.0	.37	.32	.29	.36	.31	.28	.35	.31	.28	.33	.30	.27
G	1.25	.42	.37	.33	.40	.35	.32	.39	.35	.32	.37	.34	.31
F	1.5	.46	.41	.37	.43	.39	.35	.42	.38	.35	.40	.36	.34
E	2.0	.51	.46	.42	.46	.43	.40	.46	.42	.39	.43	.41	.38
D	2.5	.55	.50	.47	.50	.46	.44	.49	.46	.43	.46	.44	.42
C	3.0	.57	.52	.49	.51	.48	.45	.50	.47	.45	.47	.45	.43
B	4.0	.60	.56	.53	.53	.51	.48	.53	.51	.48	.49	.47	.45
A	5.0	.63	.59	.57	.55	.53	.51	.55	.53	.51	.52	.49	.48



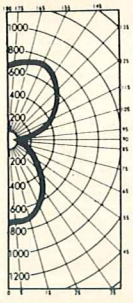
SN4-40 surface mounted

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	5.74	5.86
10°	5.74	5.31
20°	5.84	4.34
30°	5.65	3.52
40°	5.25	2.22
45°	4.85	1.61
50°	4.28	1.41
55°	3.71	1.26
60°	3.07	1.15
65°	2.49	1.03
70°	2.22	.95
80°	1.54	.84
85°	1.23	.73

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.26	.22	.19	.26	.22	.19	.25	.21	.19	.25	.21	.19
I	0.8	.32	.29	.25	.32	.28	.25	.32	.28	.25	.31	.27	.25
H	1.0	.38	.33	.30	.36	.32	.29	.36	.32	.29	.35	.31	.29
G	1.25	.43	.38	.34	.41	.36	.33	.40	.36	.33	.39	.35	.33
F	1.5	.47	.42	.38	.43	.40	.37	.43	.39	.36	.41	.38	.36
E	2.0	.52	.47	.43	.47	.44	.41	.48	.44	.41	.46	.43	.40
D	2.5	.55	.51	.47	.50	.47	.44	.50	.46	.44	.47	.45	.43
C	3.0	.58	.54	.50	.52	.49	.46	.52	.49	.47	.48	.46	.45
B	4.0	.61	.57	.54	.54	.51	.49	.55	.52	.50	.51	.49	.47
A	5.0	.63	.60	.58	.55	.53	.52	.57	.55	.53	.52	.51	.49



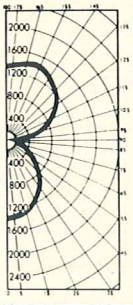
SN2-40 pendant mounted

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	4.60	4.75
10°	4.63	4.56
20°	4.67	3.75
30°	4.50	2.76
40°	3.99	1.49
45°	3.55	.92
50°	2.97	.80
55°	2.32	.71
60°	1.59	.67
65°	1.02	.59
70°	.77	.54
80°	.61	.44
85°	.61	.38
90°	.64	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.23	.21	.14	.23	.17	.14	.20	.16	.13	.20	.16	.13
I	0.8	.30	.24	.20	.29	.23	.21	.26	.21	.18	.25	.21	.18
H	1.0	.36	.30	.25	.35	.29	.25	.30	.25	.22	.30	.25	.22
G	1.25	.43	.36	.30	.41	.35	.30	.35	.30	.26	.34	.29	.26
F	1.5	.48	.41	.35	.46	.39	.34	.39	.33	.30	.37	.33	.29
E	2.0	.56	.50	.43	.52	.46	.42	.44	.39	.35	.42	.38	.31
D	2.5	.62	.54	.49	.57	.51	.46	.47	.43	.39	.45	.41	.38
C	3.0	.66	.59	.54	.61	.55	.51	.50	.46	.43	.47	.44	.41
B	4.0	.72	.66	.61	.65	.60	.56	.54	.50	.47	.50	.47	.45
A	5.0	.82	.72	.68	.68	.64	.60	.56	.53	.51	.52	.50	.48



SN4-40 pendant mounted

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	4.75	4.75
10°	4.75	4.75
20°	4.71	4.20
30°	4.71	3.07
40°	4.12	1.71
45°	3.73	1.09
50°	3.15	.97
55°	2.49	.82
60°	1.91	.74
65°	1.52	.65
70°	1.28	.58
80°	.78	.49
85°	.62	.41
90°	.70	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.23	.17	.14	.23	.17	.14	.20	.16	.13	.20	.16	.13
I	0.8	.30	.24	.21	.29	.23	.19	.26	.22	.17	.25	.21	.18
H	1.0	.37	.30	.25	.35	.29	.24	.31	.25	.22	.30	.25	.22
G	1.25	.43	.36	.30	.41	.35	.30	.35	.30	.26	.34	.29	.26
F	1.5	.49	.41	.35	.46	.39	.33	.39	.34	.30	.37	.30	.27
E	2.0	.57	.49	.43	.53	.47	.42	.44	.39	.35	.42	.38	.34
D	2.5	.63	.55	.49	.58	.51	.47	.48	.44	.39	.45	.41	.38
C	3.0	.67	.60	.55	.61	.56	.51	.50	.46	.43	.48	.44	.41
B	4.0	.73	.67	.62	.66	.61	.57	.55	.51	.48	.51	.48	.45
A	5.0	.78	.74	.68	.69	.65	.61	.57	.54	.51	.53	.50	.48

SPECIFICATIONS

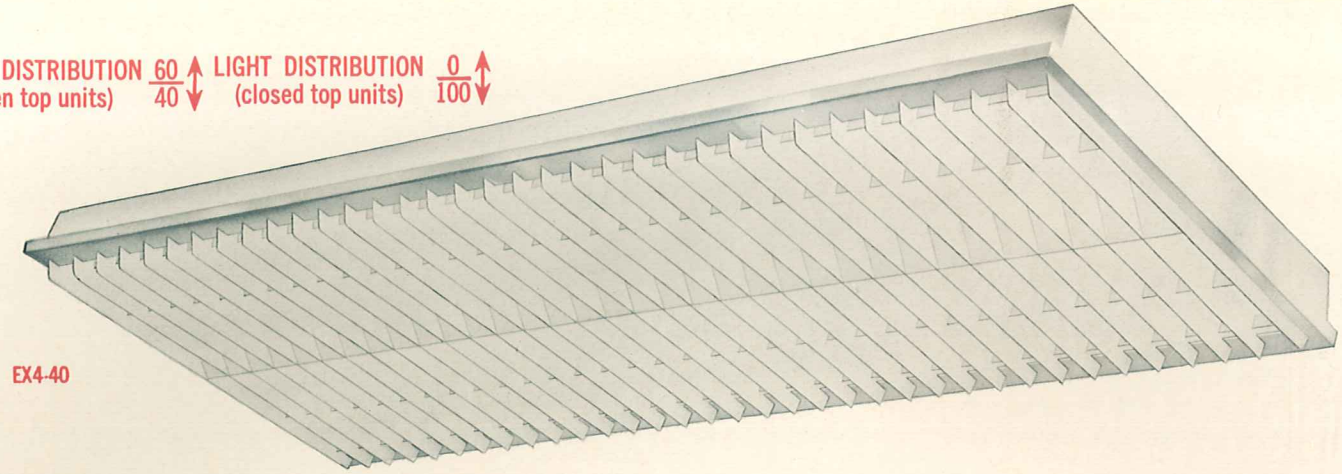
SPECIFICATIONS: Fixture shall be general diffuse, 3¼" deep, completely wired, ready for installation. **Housing** shall be one-piece of 20-gauge steel and shall enclose the ballast. **Side Diffusing Panels** shall be formed of extruded polystyrene plastic, securely held by clips at each end of the panel, and shall be removable at will. **Louvers** shall be an all-steel single assembly, shall provide 30° crosswise, 45° lengthwise shielding, shall be released by simple fingertip pressure on a convenient catch and chain-suspended when open. **Ballasts** shall be CBM-certified Rapid Start (note: for Slimline units, substitute "Slimline Series-Sequence" in place of "Rapid Start".) **Finish** shall be High Temperature Baked Enamel with reflectance of not less than 85%, applied on bonderized metal surfaces. Complete unit shall be U.L.-approved and bear the label of I.B.E.W., A.F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-220
Printed in U.S.A.

3-57-RI.

LIGHT DISTRIBUTION 60/40 (open top units) LIGHT DISTRIBUTION 0/100 (closed top units)



EX4-40

EXECUTIVE is a good-looking, wide, shallow, all-steel fluorescent lighting unit with illuminated sides. Because of its shallow depth (only 3 1/32" deep) it fits snugly against the ceiling, — ideal for today's low-ceiling schoolrooms, stores, offices and other commercial interiors.

LIGHTING CHARACTERISTICS — Shielding is 30° crosswise, 45° lengthwise. The steel sides are illuminated from the fixture itself to minimize contrast between the sides and bottom of the unit resulting in a uniformly-lighted source of illumination. EXECUTIVE is available with an open top to provide uplighting, or with top reflectors for 100% downlighting. In the latter models, the top reflectors and side shields are one-piece and are an integral part of the unit.

MOUNTING — Because of its shallow depth, EXECUTIVE is usually surface-mounted but may be pendant-mounted with the SS102 Stem Sets or SS105 Twin Stem Sets. EXECUTIVE may be installed individually or in continuous rows. (See other side).

MAINTENANCE — A conveniently-located catch, easily released with finger-tip touch, holds and releases the louver assembly. When open, the louver is chain-suspended, with plenty of room for re-lamping or servicing. The longitudinal V-section of the louver conceals all electrical components and wiring. The Smithcraft Bonderite and Baked Enamel Process provides a finish which adheres firmly to the metal, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, effectively resists abrasions, and reflects a maximum percentage of light.

EX

Smithcraft EXECUTIVE

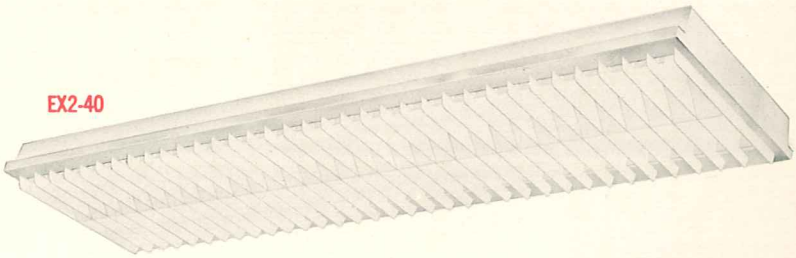
FOR 2 OR 4 RAPID-START BI-PIN LAMPS OR 4′ & 8′ SLIMLINE LAMPS.

CATALOG INFORMATION

WITH OPEN TOP FOR UPLIGHTING					
FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS		
Catalog No.	No. & Type of Lamps	Ship. Wt.	Catalog No.	No. & Type of Lamps	Ship. Wt.
EX2-40 EX2-42	2 F40T12RS 4 F40T12RS (8′ Housing)	33 58	EX2-96 EX2-48	2 F96T12 2 F48T12	61 35
EX4-40 EX4-42	4 F40T12RS 8 F40T12RS (8′ Housing)	45 78	EX4-96 EX4-48	4 F96T12 4 F48T12	85 50
WITH TOP REFLECTORS FOR ALL DOWNLIGHTING					
EX2-40TR EX2-42TR	2 F40T12RS 4 F40T12RS (8′ Housing)	36 64	EX2-96TR EX2-48TR	2 F96T12 2 F48T12	67 38
EX4-40TR EX4-42TR	4 F40T12RS 8 F40T12RS (8′ Housing)	49 86	EX4-96TR EX4-48TR	4 F96T12 4 F48T12	93 54
Packed one complete unit to a carton with all fittings for normal continuous row mounting.					

CANOPY AND STEM SETS

Catalog No.	Description	For Use With
SS102	Canopy and Stem Set—canopy, single 15" steel stem (O.D. 1/2"), heavy canopy bar, fittings. Stem is adjustable after installation.	4′ and 8′ units
SS105	Canopy and Double Stem Set—Canopy, two 30" steel stems (O.D. 11/16" 8" on centers). Plate insert with screws. Size of canopy 13 1/2" x 6 1/4".	4′ units

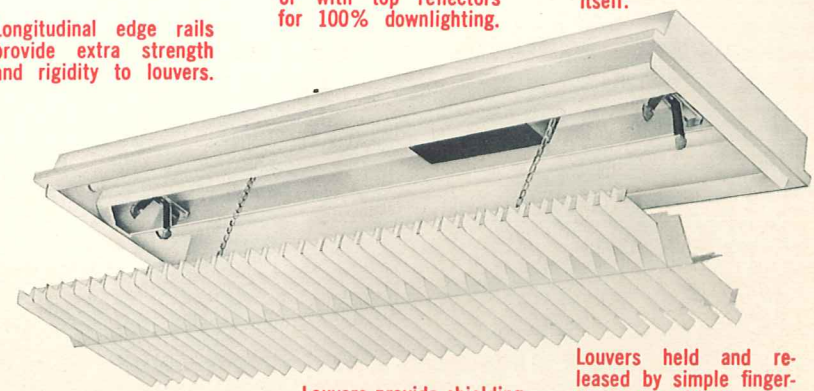


EX2-40

Available with open top or with top reflectors for 100% downlighting.

Sides are illuminated by lighting from fixture itself.

Longitudinal edge rails provide extra strength and rigidity to louvers.



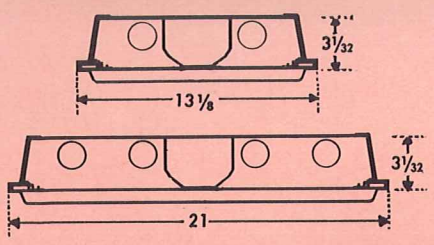
Extremely shallow (only 3 1/32" deep).

Louvers provide shielding of 30° crosswise, 45° lengthwise.

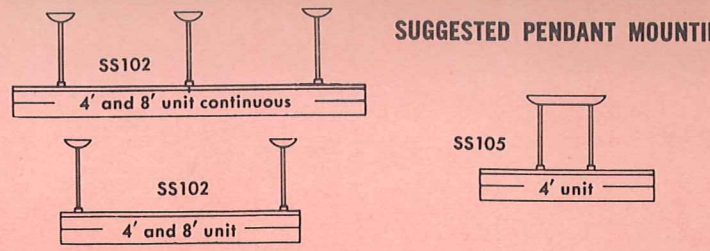
Louvers held and released by simple finger-tip catch. When open, louvers are chain-suspended at convenient level for relamping.

EXECUTIVE

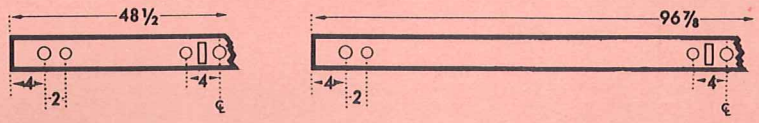
END SECTION DIMENSIONS



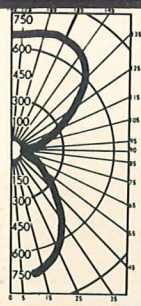
SUGGESTED PENDANT MOUNTING



SPACING OF KNOCKOUTS



EX 2-40



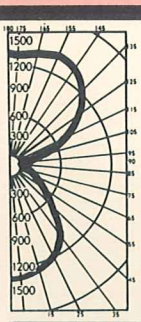
MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	4.90	4.97
10°	4.86	4.41
20°	4.80	3.52
30°	4.33	2.71
40°	3.71	1.70
45°	3.29	1.03
50°	2.78	.94
55°	2.00	.81
60°	1.55	.72
65°	1.22	.66
70°	.89	.60
80°	.31	.49
85°	.23	.39
90°	.15	0

COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.22	.17	.13	.20	.16	.13	.18	.15	.13	.18	.15	.13
I	0.8		.29	.23	.20	.28	.23	.20	.25	.20	.18	.24	.20	.18
H	1.0		.34	.29	.24	.33	.28	.24	.29	.25	.22	.28	.24	.21
G	1.25		.40	.34	.30	.39	.33	.29	.33	.29	.26	.32	.28	.25
F	1.5		.45	.39	.34	.44	.37	.33	.37	.32	.29	.35	.31	.28
E	2.0		.52	.46	.40	.49	.44	.39	.41	.37	.34	.39	.36	.33
D	2.5		.57	.51	.44	.53	.48	.45	.45	.41	.37	.42	.38	.35
C	3.0		.61	.55	.51	.56	.51	.48	.47	.43	.40	.44	.41	.39
B	4.0		.66	.61	.57	.59	.56	.52	.50	.47	.45	.47	.44	.42
A	5.0		.70	.67	.63	.62	.59	.56	.53	.50	.47	.48	.46	.45

EX 4-40



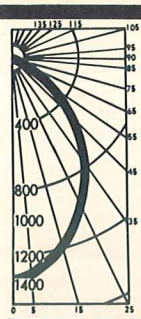
MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	4.88	4.78
10°	4.88	4.07
20°	4.89	3.15
30°	4.68	2.26
40°	4.30	1.34
45°	4.07	.90
50°	3.30	.77
55°	2.50	.71
60°	1.83	.63
65°	1.57	.57
70°	1.39	.52
80°	.77	.44
85°	.48	.38
90°	.13	0

COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.22	.17	.14	.22	.17	.14	.19	.16	.13	.19	.15	.13
I	0.8		.29	.23	.19	.29	.23	.19	.25	.21	.17	.24	.20	.17
H	1.0		.36	.29	.25	.34	.28	.24	.30	.25	.21	.29	.24	.21
G	1.25		.42	.35	.30	.40	.34	.30	.34	.29	.26	.33	.28	.25
F	1.5		.47	.40	.34	.45	.38	.34	.37	.33	.29	.36	.32	.29
E	2.0		.55	.48	.42	.51	.45	.41	.42	.38	.34	.40	.36	.33
D	2.5		.61	.54	.48	.56	.51	.47	.46	.42	.38	.44	.40	.38
C	3.0		.65	.58	.53	.59	.54	.49	.48	.45	.41	.46	.42	.40
B	4.0		.71	.65	.60	.63	.59	.55	.52	.49	.46	.49	.46	.44
A	5.0		.74	.71	.66	.66	.63	.59	.54	.52	.49	.51	.48	.46

EX 2-40TR



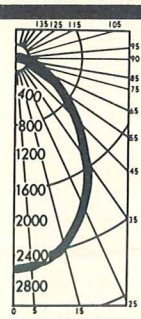
MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	6.13	6.04
10°	6.02	5.61
20°	5.87	4.49
30°	5.61	3.50
40°	4.74	2.18
45°	4.37	1.54
50°	3.86	1.38
55°	3.09	1.26
60°	2.76	1.13
65°	1.96	1.03
70°	1.24	.90
80°	.56	.75
85°	.45	.68
90°	.23	.08

COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.25	.20	.19	.24	.21	.19	.24	.21	.19	.23	.21	.18
I	0.8		.31	.27	.25	.30	.27	.24	.30	.26	.24	.29	.26	.24
H	1.0		.36	.31	.28	.34	.30	.28	.34	.30	.28	.32	.30	.27
G	1.25		.40	.36	.33	.38	.34	.32	.37	.34	.32	.36	.33	.31
F	1.5		.43	.39	.36	.40	.37	.35	.40	.37	.34	.37	.36	.34
E	2.0		.48	.44	.41	.44	.41	.39	.44	.41	.39	.46	.39	.38
D	2.5		.51	.47	.44	.46	.43	.41	.47	.44	.42	.44	.42	.40
C	3.0		.53	.50	.47	.48	.44	.44	.48	.46	.44	.45	.43	.42
B	4.0		.56	.53	.51	.49	.48	.46	.51	.49	.47	.47	.46	.44
A	5.0		.58	.56	.54	.51	.50	.48	.52	.52	.49	.48	.47	.46

EX 4-40TR



MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	6.11	6.13
10°	6.13	5.25
20°	6.25	4.42
30°	6.07	3.25
40°	5.63	2.00
45°	5.08	1.42
50°	4.38	1.19
55°	3.97	1.14
60°	3.17	1.03
65°	2.76	.94
70°	2.40	.87
80°	1.49	.68
85°	.89	.58
90°	.26	0

COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.25	.21	.19	.24	.21	.19	.24	.21	.18	.23	.20	.18
I	0.8		.31	.27	.24	.30	.27	.24	.30	.27	.24	.29	.26	.24
H	1.0		.36	.31	.28	.34	.31	.28	.34	.30	.28	.33	.30	.27
G	1.25		.40	.36	.33	.37	.34	.32	.37	.34	.32	.36	.33	.31
F	1.5		.43	.39	.36	.40	.37	.34	.40	.37	.35	.38	.36	.34
E	2.0		.48	.45	.42	.43	.41	.39	.44	.41	.39	.41	.39	.37
D	2.5		.50	.47	.44	.46	.44	.41	.47	.44	.42	.43	.42	.40
C	3.0		.53	.50	.47	.47	.45	.43	.48	.46	.44	.45	.43	.42
B	4.0		.56	.53	.50	.49	.47	.45	.50	.48	.47	.46	.45	.44
A	5.0		.58	.55	.53	.50	.49	.47	.52	.50	.49	.48	.47	.46

SPECIFICATIONS

SPECIFICATIONS: — Shall be general diffuse louvered unit (note: for units with top reflectors, substitute "shall be direct louvered unit"), completely wired, ready for installation not over 3 1/32" deep. **Housing** shall be one-piece, formed of 20-gauge steel, shall form a wireway for continuous mounting, shall enclose the ballast, and shall include knockouts for mounting. **Metal Side Shields** (open top units) shall be die-formed of 20-gauge steel with steel channel to spill light onto outside of side shields. **Metal Side and Top Shields** (closed top units) shall be one-piece die-formed of 20-gauge steel, two per fixture abutting the housing, with steel channel to spill light onto outside of side shields. **Louvers** shall be single assembly for 30° crosswise, 45° lengthwise shielding, held and released by finger-tip catch and chain-suspended when open, with longitudinal edge rails for added strength. **Ballasts** shall be rapid-start series sequence CBM-certified (note: for slimline units, substitute "slimline" for "rapid start"). **Finish** shall be high temperature baked enamel with reflectance of not less thah 85%, applied on bonderized surface. Complete unit shall bear the U.L. seal of approval, and the label of I.B.E.W., A.F. of L.

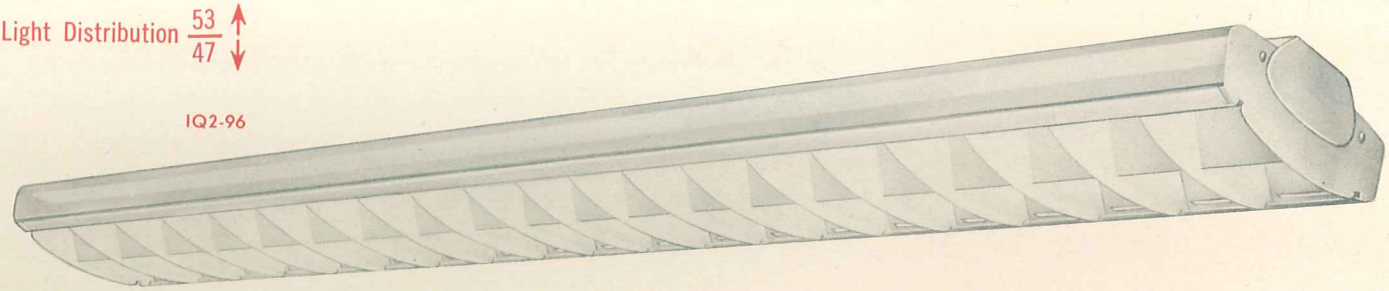
Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-230
Printed in U.S.A.

7/57 -RL

Light Distribution 53/47 ↑↓

IQ2-96



EYE-Q is an outstanding all-steel two-light fluorescent unit, featuring unusually low brightness and comfort and economy in initial cost, installation and maintenance. Always a favorite for school lighting, the EYE-Q is also well-suited for stores, offices and similar installations.

LIGHTING CHARACTERISTICS — The EYE-Q is supplied with louver baffles finished in Smithcraft's low-bright enamel for low surface brightness, and has an overall efficiency of 79.4%. The rigid louver provides a shielding of 35° crosswise, 25° lengthwise (with 45° lengthwise shielding available on special order). Side panels of the EYE-Q are illuminated by the light source to reduce contrast. The upward light spill is evenly distributed to eliminate shadows and "hot spots".

MOUNTING — EYE-Q can be installed individually or in continuous rows, either surface or pendant mounted. For added simplicity in surface mounting, Smithcraft's S4939 Ceiling Clamp may be used. For pendant mounting, Smithcraft's SS115, SS110, or SS105 Stem Sets may be used. SS115 has a special sliding clamp which grips the housing and an adjustable fitting for up and down adjustment to simplify installation.

MAINTENANCE — For re-lamping or servicing, the louvers of the EYE-Q swing open from either side. The one-piece side reflectors rotate upwards to simplify maintenance procedure. The longitudinal V-section of the louver completely conceals all electrical components and wiring. Smithcraft's Bonderite and Baked Enamel finish adheres firmly, provides positive resistance to chemicals and heat, effectively resists abrasions, and reflects a maximum percentage of light.

IQ
Smithcraft
EYE-Q
FOR RAPID-START BI-PIN LAMPS AND SLIMLINE LAMPS

CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS		
Catalog No.	No. and Type of Lamps	Ship. Wt.
IQ2-40	2 F40T12RS	27
IQ2-42	4 F40T12RS (8′ Housing)	49

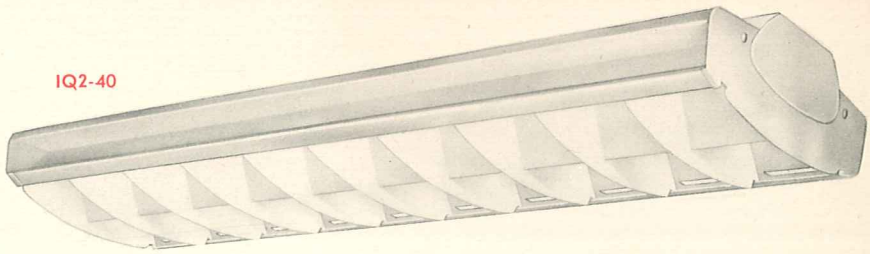
FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.
IQ2-96	2 F96T12	50
IQ2-48	2 F48T12	30

Packed one complete unit to a carton. For continuous row mounting, specify number and length of rows; necessary end caps and connectors will be supplied no charge.

CANOPY AND STEM SETS

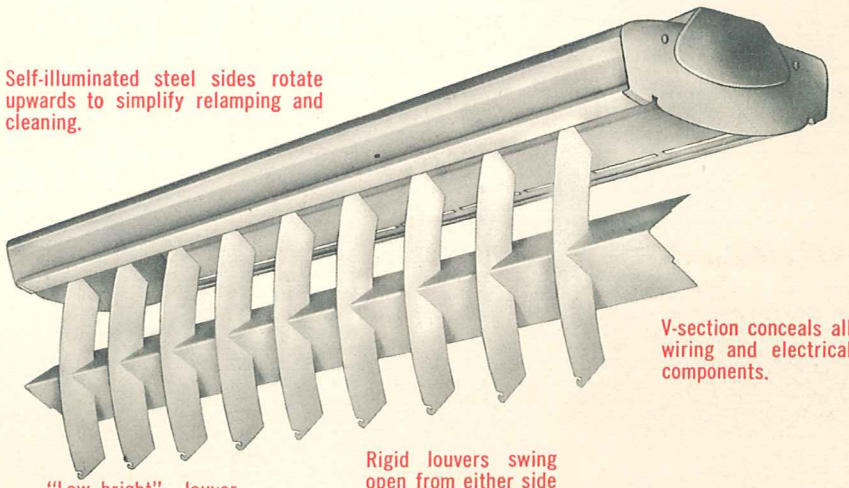
Catalog No.	Description	For Use With
SS105	Canopy and Double Stem Set—Canopy, two 30″ steel stems (O.D. 11/16″-8″ on centers.) Plate insert with screws. Size of canopy 13½″ x 6¼″.	4′ units
SS110	Canopy and Stem Set—canopy, single 24″ steel stem (O.D. 11/16″), heavy canopy bar, levelling strap, fittings.	4′ or 8′ units
SS115	Canopy and Stem Set—canopy, single 15″ steel stem (O.D. ½″), heavy canopy bar, hanger clamp with adjustable stem, fittings. Stem is adjustable up to 1½″.	4′ or 8′ units
S4939	Ceiling Clamp (permits simplified surface mounting). Two required per fixture.	all Eye-Q units

IQ2-40



Fixture end caps bolt together in continuous rows.

Self-illuminated steel sides rotate upwards to simplify relamping and cleaning.



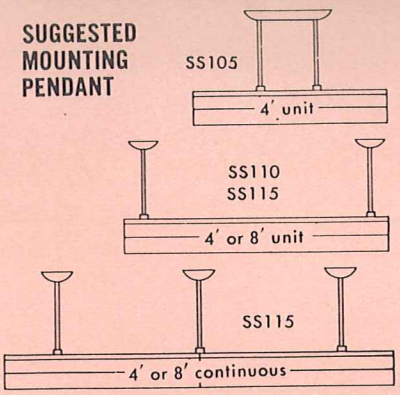
V-section conceals all wiring and electrical components.

"Low-bright" louver finish reduces glare.

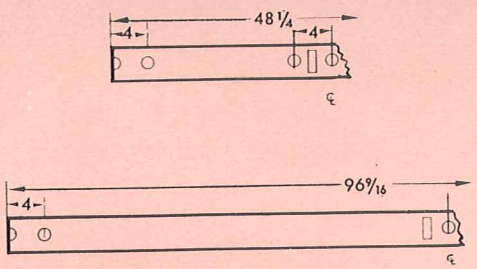
Rigid louvers swing open from either side — easily removed without tools.

EYE-Q

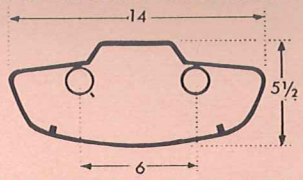
SUGGESTED MOUNTING PENDANT



SPACING OF KNOCKOUTS



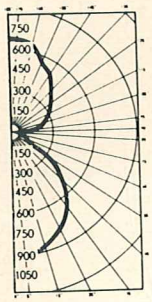
END SECTION DIMENSIONS



SUGGESTED SURFACE MOUNTING WITH S4939 CEILING CLAMP



IQ2-40



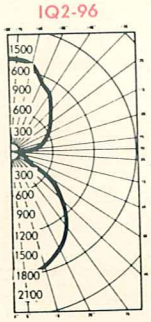
COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6	.25	.20	.17	.24	.19	.16	.22	.18	.16	.22	.18	.16
I	0.8	.32	.27	.23	.31	.26	.23	.29	.24	.21	.28	.24	.21
H	1.0	.38	.32	.28	.37	.31	.27	.33	.29	.25	.32	.28	.24
G	1.25	.45	.38	.33	.42	.37	.33	.38	.33	.30	.37	.33	.30
F	1.5	.50	.43	.38	.47	.42	.37	.42	.37	.34	.40	.36	.33
E	2.0	.57	.50	.45	.53	.47	.43	.46	.42	.38	.44	.40	.37
D	2.5	.62	.55	.50	.57	.52	.48	.50	.46	.42	.47	.44	.42
C	3.0	.66	.60	.55	.60	.56	.51	.52	.49	.45	.49	.46	.43
B	4.0	.71	.64	.61	.64	.60	.56	.56	.53	.50	.52	.49	.47
A	5.0	.75	.71	.66	.66	.63	.60	.58	.55	.52	.54	.51	.50

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0	4.7	4.7
10	4.7	4.5
20	4.6	4.5
30	4.4	4.1
40	3.5	3.8
45	3.0	3.7
50	2.3	2.6
55	1.0	2.6
60	.6	1.6
65	.4	.8
70	.4	.7
80	.3	.5
85	.7	.4

IQ2-96



COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6	.25	.20	.17	.24	.19	.16	.22	.18	.16	.22	.18	.16
I	0.8	.32	.27	.23	.31	.26	.23	.29	.24	.21	.28	.24	.21
H	1.0	.38	.32	.28	.37	.31	.27	.33	.29	.25	.32	.28	.24
G	1.25	.45	.38	.33	.42	.37	.33	.38	.33	.30	.37	.33	.30
F	1.5	.50	.43	.38	.47	.42	.37	.42	.37	.34	.40	.36	.33
E	2.0	.57	.50	.45	.53	.47	.43	.46	.42	.38	.44	.40	.37
D	2.5	.62	.55	.50	.57	.52	.48	.50	.46	.42	.47	.44	.42
C	3.0	.66	.60	.55	.60	.56	.51	.52	.49	.45	.49	.46	.43
B	4.0	.71	.64	.61	.64	.60	.56	.56	.53	.50	.52	.49	.47
A	5.0	.75	.71	.66	.66	.63	.60	.58	.55	.52	.54	.51	.50

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0	4.7	4.7
10	4.7	4.5
20	4.6	4.5
30	4.4	4.1
40	3.5	3.8
45	3.0	3.7
50	2.3	2.6
55	1.0	2.6
60	.6	1.6
65	.4	.8
70	.4	.7
80	.3	.5
85	.7	.4

SPECIFICATIONS

SPECIFICATIONS: Fixture shall be general diffuse, completely wired, ready for installation. **Housing** shall be one-piece T-flange of 20-gauge steel to permit use of mounting C-clamp, slidable the full length of housing, and shall enclose the ballast. **Side Reflectors** shall be V-formed of 22-gauge steel, so attached as to permit rotating for cleaning. **Louvers** shall hinge from either side and be completely removable without tools or loose parts, and shall provide a shielding of 35° crosswise, 25° lengthwise. **Ballasts** shall be CBM-certified Rapid-Start (Note: for Slimline units, substitute "Slimline Series Sequence" after "CBM-certified"). **Finish** of all reflecting surfaces, with exception of louver, shall be Bonderite and High Temperature Baked White Enamel with reflectance of not less than 85%. Louvers shall be finished with High Temperature low-bright finish to minimize glare. Complete unit shall be UL-approved, and bear the label of I.B.E.W., A.F. of L.

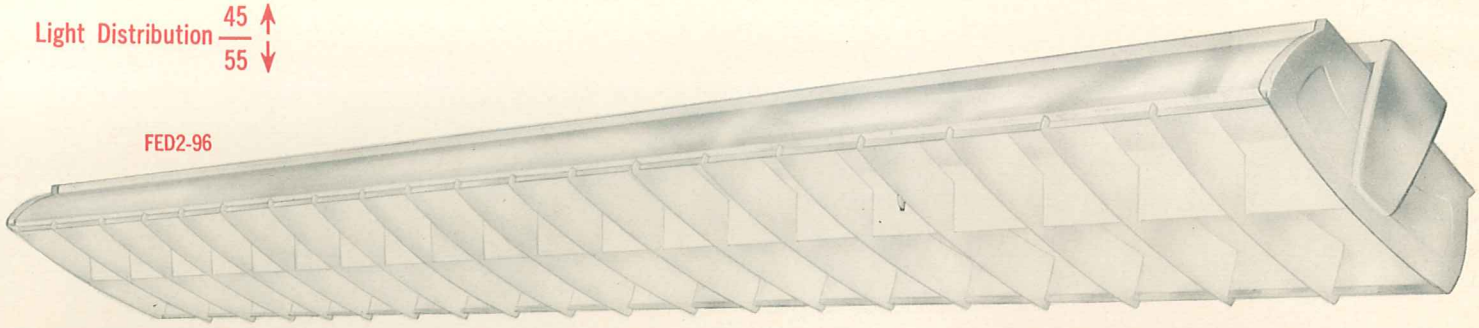
Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-240
Printed in U.S.A.

3-57-RL

Light Distribution 45/55

FED2-96



The **FEDERAL** is an attractive, dependable two-light fluorescent unit that is economical in initial cost, installation, and maintenance — ideal for schools, stores, offices and similar locations. FEDERAL is available with either steel or plastic sides, as desired.

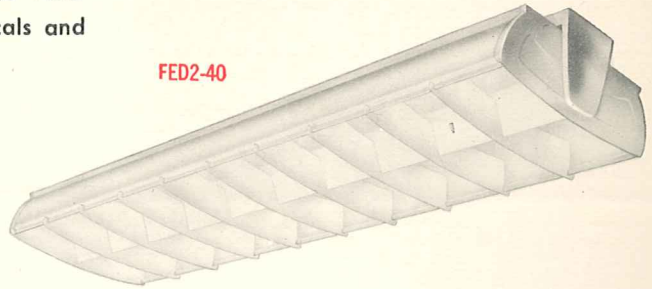
LIGHTING CHARACTERISTICS — FEDERAL has a high efficiency of 85% and is well-shielded by steel louvers providing a cut-off of 35° crosswise, 25° lengthwise. (Optional shieldings of 35° crosswise, 45° lengthwise, or 45° x 45° are available.) Top reflectors may be specified for additional downlighting.

MOUNTING — FEDERAL may be mounted individually or in continuous rows, surface or pendant. When surface mounted, the S4939 Ceiling Clamp may be used as it speeds up installation because the housing may be slid along the clamp. For pendant mounting, the SS115, SS110, or SS105 Stem Sets may be used. The SS115 incorporates a slideable clamp and an adjustable fitting for up and down adjustment.(See other side).

MAINTENANCE — The rigid louvers, are easily released by finger-tip action and chain-suspended at a convenient level for relamping. Side shields, steel or plastic, may be slid out easily for cleaning. The longitudinal V-section of the louver conceals all electrical components and wiring. The Smithcraft Bonderite and Baked Enamel Finish adheres firmly to the metal, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, resists abrasion, and reflects a maximum percentage of light.

FED
Smithcraft
FEDERAL
for RAPID-START BI-PIN LAMPS and SLIMLINE LAMPS

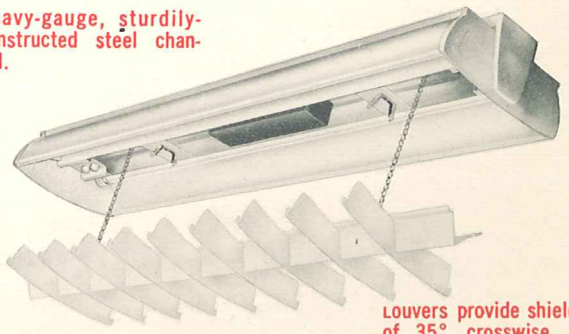
FED2-40



Side shields available in steel or plastic — slide out easily for maintenance.

Fully-enclosed CBM-certified ballast.

Heavy-gauge, sturdily-constructed steel channel.



Louvers provide shielding of 35° crosswise, 25° lengthwise (also available with 35° x 45°, or 45° x 45° shielding).

Rigid shielding assembly easily released by finger-tip pressure and chain-suspended.

CATALOG INFORMATION

FOR RAPID START BI-PIN LAMPS STEEL SIDES			FOR SLIMLINE LAMPS (430-MA) STEEL SIDES		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
FED2-40	2 F40T12RS	21	FED2-96	2 F96T12	48
FED2-42	4 F40T12RS (8′ housing)	47	FED2-48	2 F48T12	26
PLASTIC SIDES			PLASTIC SIDES		
FED2-40P	2 F40T12RS	20	FED2-96P	2 F96T12	41
FED2-42P	4 F40T12RS (8′ housing)	43	FED2-48P	2 F48T12	24

NOTE: Top Reflectors are available for downlighting (F-48 — 4′ sections) (F-96 — 8′ sections).

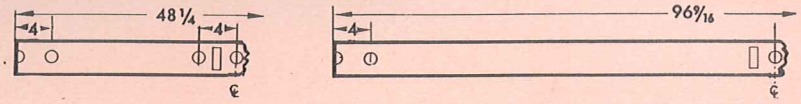
Packed one complete unit to a carton. For continuous row mounting, specify number and length of rows; necessary end caps and connectors will be supplied no charge.

CANOPY AND STEM SETS

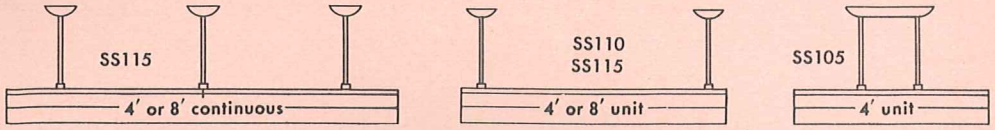
SS115	Canopy and Stem Set — canopy, single 15" steel stem (O.D. ½"), heavy canopy bar, hanger clamp with adjustable stem, fittings. Stem is adjustable up to 1½".
SS110	Canopy and Stem Set — canopy, single 24" steel stem (O.D. 11/16"), heavy canopy bar, leveling strap, fittings.
SS105	Canopy and Double Stem Set — canopy, two 30" steel stems (O.D. 11/16" 8" on centers). Plate insert with screws. Size of canopy 13½" x 6¼".

FEDERAL

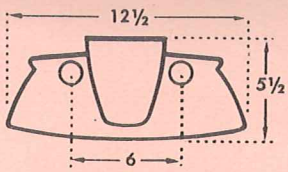
SPACING OF KNOCKOUTS
(11/16" Knockouts)



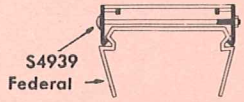
SUGGESTED PENDANT MOUNTING



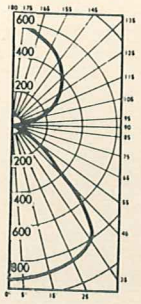
END SECTION DIMENSIONS



SURFACE MOUNTING WITH S4939 CEILING CLAMP



FED2-40



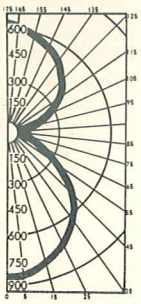
COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor			80% Ceiling 10% Floor			50% Ceiling 30% Floor			50% Ceiling 10% Floor		
			50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.27	.21	.18	.26	.21	.18	.24	.20	.17	.24	.20	.17
I	0.8		.35	.29	.25	.34	.29	.25	.31	.27	.23	.31	.26	.23
H	1.0		.42	.35	.31	.40	.35	.30	.37	.32	.28	.36	.31	.28
G	1.25		.48	.42	.37	.47	.40	.36	.42	.37	.33	.41	.36	.33
F	1.5		.54	.47	.42	.51	.45	.41	.46	.41	.37	.44	.40	.37
E	2.0		.62	.55	.49	.58	.52	.48	.52	.47	.43	.49	.45	.42
D	2.5		.68	.61	.55	.62	.57	.53	.56	.51	.47	.52	.49	.46
C	3.0		.72	.65	.60	.65	.61	.57	.58	.54	.51	.55	.52	.49
B	4.0		.78	.73	.69	.69	.66	.62	.62	.59	.55	.58	.55	.53
A	5.0		.82	.78	.74	.72	.69	.66	.65	.62	.59	.60	.58	.56

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	4.1	4.1
45°	3.5	4.1
50°	2.7	3.6
55°	1.8	
60°	1.0	2.1
65°		1.2
70°	0.9	0.9

FED2-40P



COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor			80% Ceiling 10% Floor			50% Ceiling 30% Floor			50% Ceiling 10% Floor		
			50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.26	.21	.17	.26	.20	.17	.24	.19	.16	.23	.19	.16
I	0.8		.35	.28	.24	.34	.28	.24	.31	.26	.22	.30	.26	.22
H	1.0		.42	.35	.30	.40	.34	.29	.36	.31	.27	.35	.30	.27
G	1.25		.50	.42	.37	.47	.40	.35	.43	.37	.33	.40	.35	.32
F	1.5		.54	.46	.41	.52	.47	.40	.46	.40	.36	.44	.39	.35
E	2.0		.63	.55	.49	.59	.52	.47	.51	.46	.42	.49	.45	.41
D	2.5		.69	.61	.53	.63	.57	.52	.55	.51	.46	.52	.48	.45
C	3.0		.73	.66	.60	.66	.61	.56	.58	.54	.50	.55	.51	.48
B	4.0		.79	.75	.67	.71	.66	.62	.63	.58	.55	.58	.55	.52
A	5.0		.84	.79	.74	.74	.70	.66	.65	.62	.59	.60	.58	.56

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	4.1	4.1
45°	3.5	3.6
50°	3.1	2.8
55°		1.8
60°	1.7	1.1
65°	0.7	
70°	0.6	0.5
80°		0.1

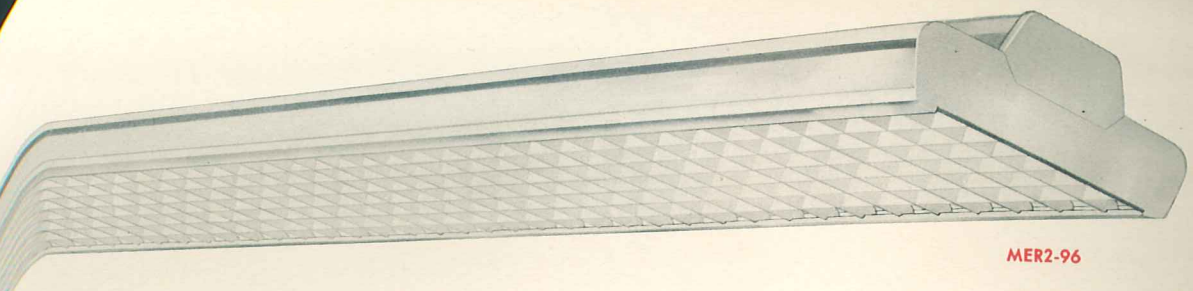
SPECIFICATIONS

SPECIFICATIONS: Fixture shall be general diffuse louvered unit, completely wired, ready for installation. **Housing** shall be one-piece formed of 20-gauge steel to permit use of pre-formed C-clamp slideable the full-length of the housing, and shall enclose the ballast. **Side shields** shall be formed of steel (note: for plastic-sided units, substitute "polystyrene plastic" for "steel") and shall be held rigidly in position by springs at each end of the reflector, and shall be easily removed for cleaning. **Louvers** shall be a single steel assembly, held in place by spring catches, and chain-suspended when open. **Ballast** shall be CBM-certified H.P.F. (note: for Slimline units, substitute "Slimline Series Sequence" for "H.P.F."). **Finish** shall be Bonderite and high temperature baked white enamel with reflectance of not less than 85%. The complete unit shall be UL-approved, and bear the label of I.B.E.W., A.F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-250
Printed in U.S.A.

3-57-RL



MER2-96

ely popular and economical louvered unit designed for schools, offices, stores and similar installations. MERCURY represents a long-term investment in good lighting performance. A matching Spot Box is ng.

STICS — Because the sides are self-illuminated from the unit itself, contrast between sides and bottom gg-crate louver, supplied in a single section the same length as the unit, provides a shielding of 35° e (shielding of 45° x 45° is available). Top reflectors are available for all downlighting where desired.

RY may be installed individually or in continuous t mounted. For added ease in surface mounting, g Clamp may be used. Pendant mounting may be 0, SS105 or SS115 Stem Sets. The SS115 incor- hich can be slid along the unit housing; has an and down adjustment. Couplings are furnished to nuous-row installations.

louvers hinge from either side, and may be com- e reflectors rotate upward to simplify cleaning and Adaptable Socket-Holder Bridge permits easy re- rs and allows changing of the number or spacing

MER Smithcraft MERCURY

for RAPID-START BI-PIN LAMPS and SLIMLINE LAMPS

ALOG INFORMATION

MPS	FOR SLIMLINE LAMPS (430-MA)		
Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
27	MER2-96	2 F96T12	55
58	MER2-48	2 F48T12	32
37	MER3-96	3 F96T12	70
67	MER3-48	3 F48T12	39
36	MER4-96	4 F96T12	66
65	MER4-48	4 F48T12	43

carton. For continuous row mounting, specify num- ssary end caps and connectors will be supplied

OPY AND STEM SETS

Set — canopy, single 15" steel stem, (O.D. ½"), hanger clamp with adjustable stem, fittings. Stem 1½".

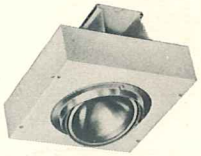
Set — canopy, single 24" steel stem (O.D. 11/16"), leveling strap, fittings.

e Stem Set — canopy, two 30" steel stems (O.D. s). Plate insert with screws. Size of canopy 13½

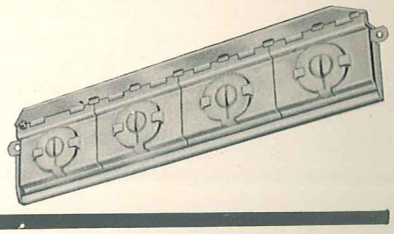
TOP REFLECTORS

Ship. Wt.	Catalog No.	For Use With
12	M-48	48" Mercury Units (Single reflector per fixture)
	M-96	96" Mercury Units (Single reflector per fixture)
	M-482	8' Mercury Bi-Pin Units (Two 48" reflectors per fixture)

SB-12 (Mercury Spot Box)



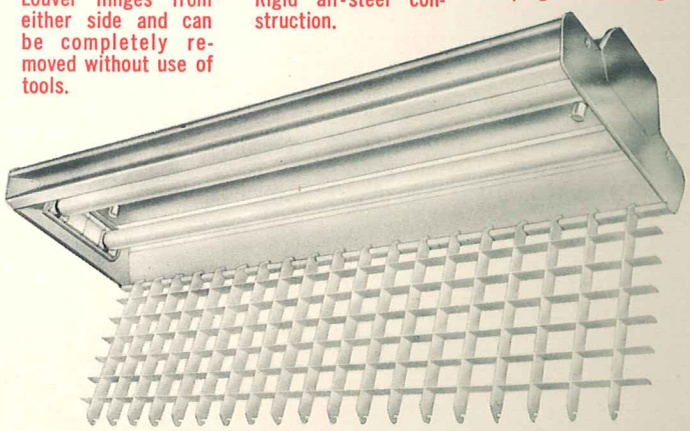
Adaptable SOCKETHOLDER BRIDGE



Side reflectors rotate upwards for easy re-lamping and cleaning.

Louver hinges from either side and can be completely removed without use of tools.

Rigid all-steel construction.



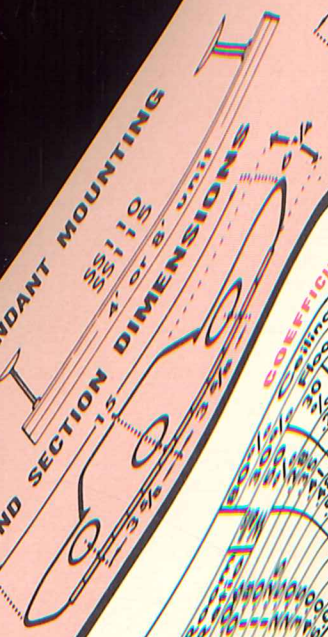
Egg-Crate Louver provides shielding of 35° crosswise, 25° lengthwise (45° x 45° shielding also available).

Self-illuminated steel sides reduce contrast.

Smithcraft Lighting CHELSEA 50, MASSACHUSETTS

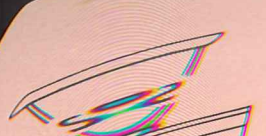
SUSPENDANT MOUNTING

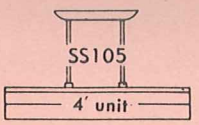
SS110
SS115
4' or 8' unit



SECTION DIMENSIONS

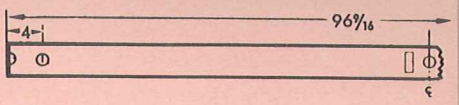
SURFACE MOUNTING

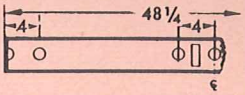




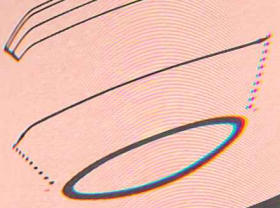
SPACING OF KNOCKOUTS

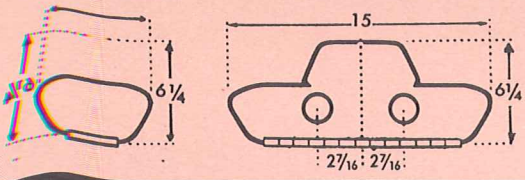
(11/16 Knockouts)





DIMENSIONS





COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	80% Ceiling, 10% Floor			50% Ceiling, 30% Floor			50% Ceiling, 10% Floor		
		50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.27	.22	.20	.26	.22	.19	.25	.22	.19
I	0.8	.34	.29	.25	.32	.28	.25	.31	.27	.24
H	1.0	.43	.34	.30	.38	.36	.29	.36	.32	.29
G	1.25	.46	.40	.36	.43	.38	.34	.41	.37	.34
F	1.5	.50	.44	.40	.47	.42	.38	.45	.41	.38
E	2.0	.56	.51	.47	.52	.47	.44	.50	.46	.43
D	2.5	.61	.55	.51	.56	.52	.48	.53	.50	.47
C	3.0	.63	.59	.55	.59	.55	.52	.55	.52	.49
B	4.0	.67	.63	.59	.62	.59	.56	.58	.56	.53
A	5.0	.69	.66	.63	.65	.62	.59	.60	.58	.56

MAXIMUM BRIGHTNESSES

Vertical Angle	Normal to Lamps	Parallel to Lamps
0	4.90	4.90
10	4.73	4.90
20	4.73	4.86
30	4.23	4.56
40	3.98	4.24
45	3.38	3.37
50	2.71	3.25
55	1.62	2.62
60	1.54	2.02
65	1.48	1.45
70	1.25	1.27
80	.96	1.00
85	.60	.52

COEFFICIENTS OF UTILIZATION



Room Index	Room Ratio	80% Ceiling, 30% Floor			80% Ceiling, 10% Floor			50% Ceiling, 30% Floor			50% Ceiling, 10% Floor		
		50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.18	.25	.21	.18	.24	.20	.17	.24	.20	.17		
I	0.8	.24	.33	.28	.24	.31	.26	.23	.30	.26	.23		
H	1.0	.30	.39	.33	.29	.36	.31	.28	.35	.31	.28		
G	1.25	.35	.44	.39	.35	.41	.37	.33	.40	.36	.33		
F	1.5	.40	.49	.43	.39	.45	.40	.37	.43	.39	.36		
E	2.0	.45	.55	.49	.45	.51	.46	.42	.48	.44	.41		
D	2.5	.52	.58	.54	.50	.54	.50	.46	.51	.48	.45		
C	3.0	.57	.61	.57	.53	.57	.53	.50	.54	.50	.49		
B	4.0	.61	.65	.61	.58	.60	.57	.54	.56	.54	.52		
A	5.0	.68	.68	.64	.61	.63	.60	.57	.58	.56	.54		

MAXIMUM BRIGHTNESSES

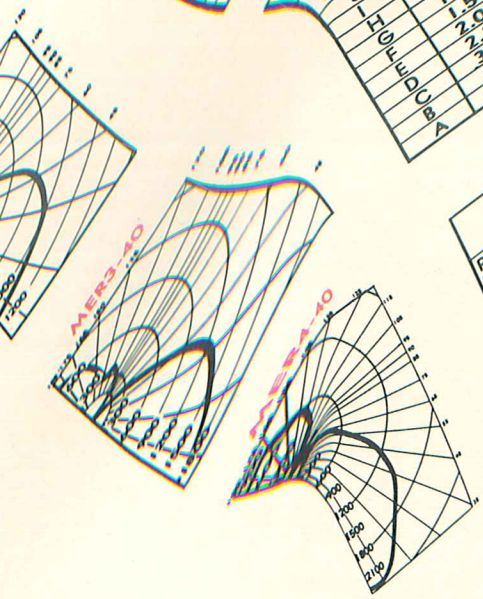
Vertical Angle	Normal to Lamps	Parallel to Lamps
0	5.90	5.90
10	5.72	5.87
20	4.75	5.75
30	4.70	5.80
40	4.15	5.40
45	3.28	5.00
50	2.50	4.55
55	2.10	3.87
60	1.77	2.50
65	1.60	2.20
70	1.40	1.60
80	1.15	1.20
85	.85	1.00

COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	80% Ceiling, 30% Floor			80% Ceiling, 10% Floor			50% Ceiling, 30% Floor			50% Ceiling, 10% Floor		
		50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.25	.21	.18	.25	.21	.18	.26	.20	.17	.23	.20	.17
I	0.8	.32	.28	.24	.32	.27	.24	.30	.26	.25	.29	.26	.23
H	1.0	.38	.33	.29	.37	.32	.29	.36	.31	.28	.34	.30	.27
G	1.25	.44	.38	.34	.42	.37	.34	.40	.35	.32	.38	.35	.32
F	1.5	.49	.43	.38	.46	.41	.38	.43	.39	.36	.42	.38	.35
E	2.0	.56	.50	.45	.52	.47	.43	.49	.44	.41	.46	.43	.40
D	2.5	.60	.54	.50	.56	.51	.47	.52	.48	.45	.49	.46	.43
C	3.0	.64	.58	.54	.58	.54	.51	.54	.51	.47	.51	.47	.46
B	4.0	.69	.64	.59	.61	.58	.55	.58	.54	.52	.54	.51	.49
A	5.0	.72	.68	.64	.64	.61	.58	.60	.57	.55	.56	.54	.52

MAXIMUM BRIGHTNESSES

Vertical Angle	Normal to Lamps	Parallel to Lamps
0	6.70	6.70
10	6.39	6.50
20	6.24	6.45
30	6.20	6.10
40	5.81	5.50
45	4.82	4.55
50	3.80	4.21
55	3.10	3.90
60	2.69	2.84
65	2.28	2.67
70	2.17	2.31
80	1.51	1.88
85	.96	1.62



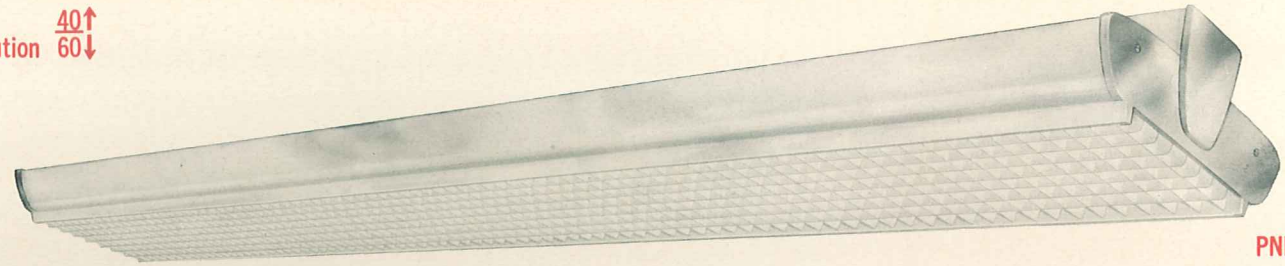
SPECIFICATIONS

SPECIFICATIONS: Fixture shall be general diffuse, completely wired, ready for installation. **Housing** shall be one-piece T-flange formed of 20-gauge steel to permit use of extra-formed C-clamp, slideable the full length of housing for simplified mounting, and shall enclose the ballast. **Side Reflectors** shall be V-formed of 22-gauge steel, with the outside of the reflector illuminated by the light source itself, and shall be attached so that they can be rotated upward for cleaning. **Louvers** shall be a single assembly of steel, egg-crate and welded at intersections and shall hinge from either side, and be completely removable without tools or loose parts, and shall provide a shielding of 35° cross-wise, 25° lengthwise. **Ballast** shall be Cold-certified H.P.F. (note: for Slimline units, replace "H.P.F." with "Slimline Series-Sequences".) **Finish** shall be Bonderite and High Temperature Baked White Enamel with reflectance of not less than 85%. Complete unit shall be UL-approved, and shall bear the label of I.B.E.W., A.F. of L.

Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

3-57-RL

Light Distribution 40↑ 60↓



PNR2-96

PIONEER is a smartly styled fluorescent luminaire with one-piece plastic side and top shields and with steel louvers. Available for 2, 3 or 4 Rapid-Start Bi-Pin Lamps or 2, 3 or 4 48" or 96" Slimline Lamps.

LIGHTING CHARACTERISTICS — PIONEER is general-diffuse in light distribution, with top and sides shielded by one-piece plastic panels of polystyrene. Rigid steel egg-crate louvers, permanently welded at every intersection, provide a shielding of 35° crosswise, 35° lengthwise (shielding of 45° crosswise, 45° lengthwise also available). PIONEER has a pleasing diffusion of light on the top and sides, yet permits a high transmittance of downlighting.

MOUNTING — PIONEER may be pendant or surface mounted, individually or in continuous rows. For pendant mounting, the SS115, SS110, and SS105 may be used. For simplified surface mounting, the S4939 Ceiling Clamp may be used (See other side). Or the unit may be mounted in any conventional manner; screws, toggle bolts, etc.

MAINTENANCE — Louvers are hinged from either side on Smithcraft's patented Duo-Cam Hangers . . . can be removed without involving tools or loose parts. PIONEER'S fully-enclosed top simplifies maintenance . . . protects interior of fixture. Removable, easy-to-clean, one-piece plastic top and side panels. Ballast and wiring easily accessible for servicing. Lampholders quickly replaced, even in continuous rows, because of the adaptable Socket-Holder Bridge. The Smithcraft Bonderite and Baked Enamel Finish on the metal parts adheres firmly, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, effectively resists abrasions, and reflects a maximum percentage of light.

PNR

Smithcraft

PIONEER

For SLIMLINE LAMPS;
For RAPID-START BI-PIN LAMPS

CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
PNR2-40	2 F40T12RS	37	PNR2-96	2 F96T12	64
PNR2-42	4 F40T12RS (8′ housing)	65	PNR2-48	2 F48T12	35
PNR3-40	3 F40T12RS	38	PNR3-96	3 F96T12	73
PNR3-42	6 F40T12RS (8′ housing)	73	PNR3-48	3 F48T12	42
PNR4-40	4 F40T12RS	35	PNR4-96	4 F96T12	73
PNR4-42	8 F40T12RS (8′ housing)	73	PNR4-48	4 F48T12	42

Specify if louver cutoff of 45° crosswise, 45° lengthwise is desired.
Packed one complete unit to a carton. For continuous row mounting, specify number and length of rows; necessary end caps and connectors will be supplied.

CANOPY AND STEM SETS

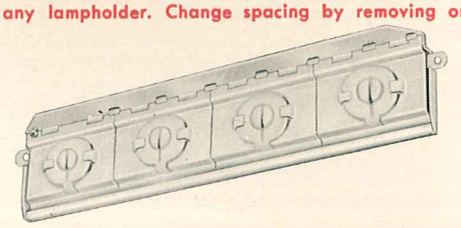
Catalog No.	Description	For Use With
SS105	Canopy and Double Stem Set — canopy, two 30" steel stems (O.D. 11/16" 8" on centers). Plate insert with screws. Size of canopy 13½" x 6¼".	4′ units
SS110	Canopy and Stem Set — canopy, single 24" steel stem (O.D. 11/16"), heavy canopy bar, levelling strap, fittings.	4′ and 8′ units
SS115	Canopy and Stem Set — canopy, single 15" steel stem (O.D. ½"), heavy canopy bar, hanger clamp with adjustable stem, fittings. Stem is adjustable up to 1½".	4′ and 8′ units

CEILING CLAMP

S4939 — Ceiling Clamp (permits simplified surface mounting). Two required per fixture.

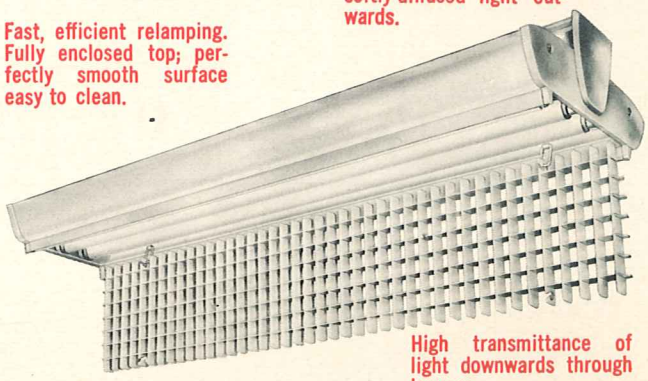
ADAPTABLE SOCKET-HOLDER BRIDGE

Replace any lampholder. Change spacing by removing only one screw.



One-piece plastic side and top diffusing panel . . . excellent uplighting, softly-diffused light outwards.

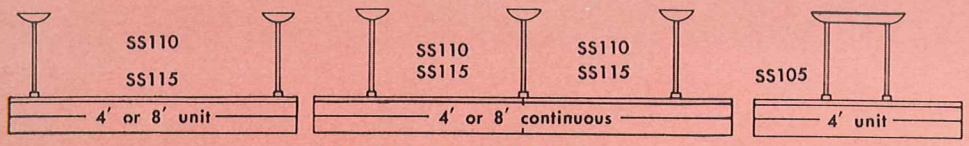
Fast, efficient relamping. Fully enclosed top; perfectly smooth surface easy to clean.



High transmittance of light downwards through louvers.

Steel louvers hinged from either side on Smithcraft's Patented Duo-Cam Hangers; easy to remove.

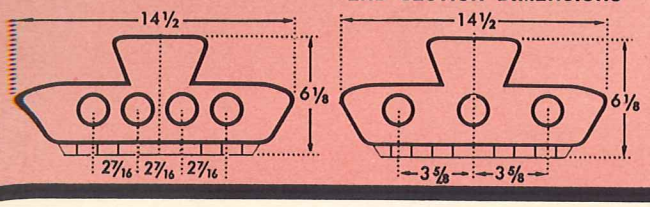
SUGGESTED PENDANT MOUNTING



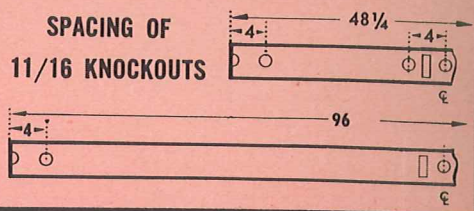
SURFACE MOUNTING WITH S4939 CEILING CLAMP



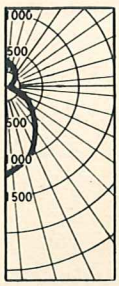
END SECTION DIMENSIONS



SPACING OF 11/16 KNOCKOUTS



PNR 2-40



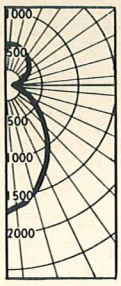
COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50 %	30 %	10 %	80% Ceiling 10% Floor 50 %	30 %	10 %	50% Ceiling 30% Floor 50 %	30 %	10 %	50% Ceiling 10% Floor 50 %	30 %	10 %
J	0.6		.24	.20	.17	.23	.20	.17	.22	.19	.16	.22	.19	.17
I	0.8		.30	.26	.23	.30	.25	.22	.28	.24	.22	.28	.24	.22
H	1.0		.36	.31	.27	.35	.30	.27	.33	.29	.26	.32	.28	.26
G	1.25		.41	.36	.32	.39	.35	.31	.37	.33	.30	.36	.33	.30
F	1.5		.46	.40	.36	.43	.38	.35	.41	.36	.33	.39	.36	.33
E	2.0		.52	.46	.42	.48	.44	.40	.45	.41	.38	.43	.40	.37
D	2.5		.56	.50	.46	.51	.47	.44	.48	.45	.42	.46	.43	.40
C	3.0		.60	.54	.50	.54	.50	.47	.51	.47	.44	.48	.45	.43
B	4.0		.64	.59	.54	.57	.54	.51	.54	.51	.48	.50	.48	.46
A	5.0		.67	.64	.60	.59	.57	.54	.57	.54	.52	.52	.50	.49

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	5.1	5.1
10°	5.0	5.0
20°	3.9	4.8
30°	3.9	4.1
40°	3.2	2.9
45°	2.4	2.3
50°	1.8	1.7
55°	1.4	1.3
60°	1.3	1.1
65°	1.1	1.0
70°	0.9	0.9
80°	0.7	0.7
85°	0.7	0.4
90°	0.7	0

PNR 3-40



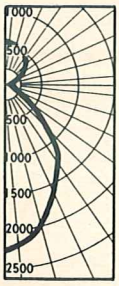
COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50 %	30 %	10 %	80% Ceiling 10% Floor 50 %	30 %	10 %	50% Ceiling 30% Floor 50 %	30 %	10 %	50% Ceiling 10% Floor 50 %	30 %	10 %
J	0.6		.23	.19	.17	.24	.19	.17	.22	.19	.16	.22	.20	.16
I	0.8		.30	.26	.22	.29	.25	.22	.28	.24	.21	.27	.24	.21
H	1.0		.35	.30	.27	.34	.30	.27	.32	.28	.25	.31	.28	.25
G	1.25		.41	.35	.32	.39	.34	.21	.37	.33	.30	.35	.32	.29
F	1.5		.45	.40	.35	.43	.38	.35	.40	.36	.33	.38	.35	.32
E	2.0		.51	.46	.41	.48	.43	.40	.45	.41	.38	.43	.39	.37
D	2.5		.56	.50	.46	.51	.47	.44	.48	.44	.41	.45	.42	.40
C	3.0		.59	.54	.50	.54	.50	.47	.50	.47	.44	.47	.44	.42
B	4.0		.63	.59	.55	.57	.53	.51	.52	.51	.48	.50	.47	.45
A	5.0		.67	.63	.60	.60	.56	.54	.57	.53	.51	.52	.50	.48

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	5.5	5.5
10°	5.2	5.2
20°	5.4	5.2
30°	4.5	4.2
40°	3.2	3.4
45°	2.5	2.6
50°	2.1	2.0
55°	1.8	1.5
60°	1.5	1.4
65°	1.4	1.3
70°	1.2	1.2
80°	1.0	0.9
85°	1.0	0.8
90°	1.0	0.0

PNR 4-40



COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50 %	30 %	10 %	80% Ceiling 10% Floor 50 %	30 %	10 %	50% Ceiling 30% Floor 50 %	30 %	10 %	50% Ceiling 10% Floor 50 %	30 %	10 %
J	0.6		.22	.19	.16	.22	.18	.16	.21	.18	.16	.21	.18	.16
I	0.8		.28	.24	.22	.28	.24	.21	.27	.23	.21	.26	.23	.21
H	1.0		.33	.29	.26	.32	.28	.25	.31	.27	.23	.30	.27	.24
G	1.25		.38	.33	.30	.37	.32	.29	.35	.29	.28	.34	.30	.28
F	1.5		.42	.37	.33	.40	.36	.33	.38	.34	.31	.36	.33	.31
E	2.0		.47	.42	.39	.44	.40	.37	.42	.38	.36	.40	.37	.35
D	2.5		.51	.46	.43	.47	.43	.40	.45	.42	.39	.42	.40	.38
C	3.0		.54	.49	.46	.49	.46	.43	.47	.44	.41	.44	.42	.40
B	4.0		.59	.54	.51	.52	.49	.47	.50	.47	.45	.45	.44	.42
A	5.0		.61	.58	.55	.54	.51	.49	.52	.49	.47	.48	.46	.45

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	7.2	7.2
10°	6.5	7.1
20°	6.1	6.5
30°	5.4	5.8
40°	4.9	4.4
45°	3.9	3.7
50°	3.1	2.3
55°	2.6	2.5
60°	2.3	2.3
65°	2.1	2.1
70°	1.8	1.9
80°	1.3	1.5
85°	1.1	1.3
90°	1.1	0.3

SPECIFICATIONS

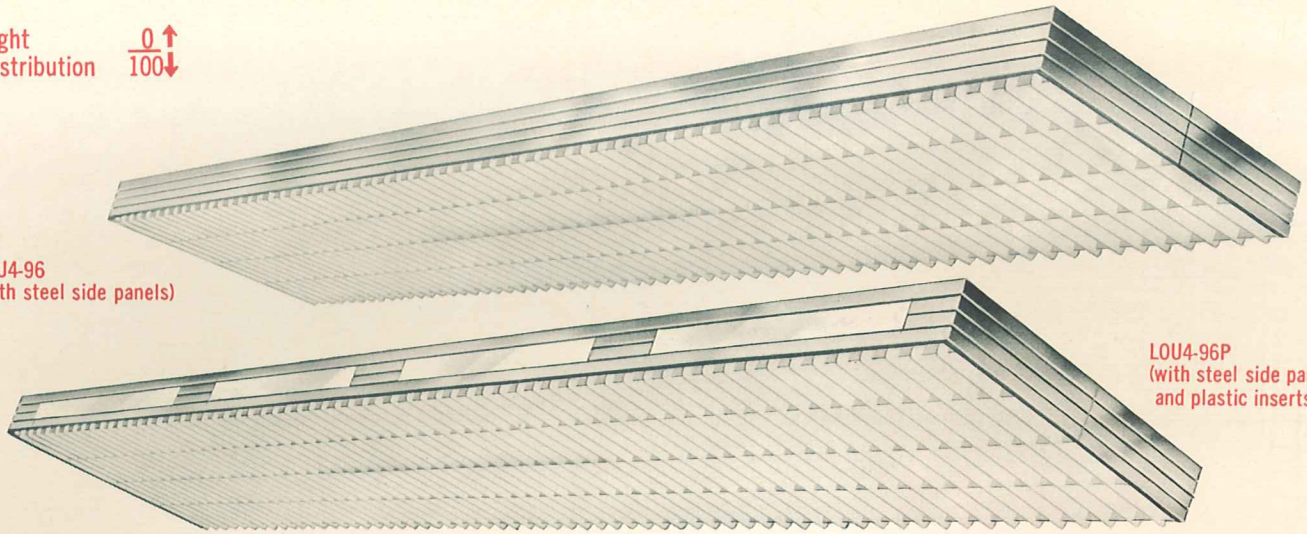
SPECIFICATIONS: Fixture shall be a general diffuse louvered unit of sturdy construction, completely wired, ready for installation. **Housing** shall be one-piece, formed of 20-gauge steel to permit use of pre-formed C-clamp, and shall enclose the ballast. **Side and top diffusing panels** shall consist of single extruded plastic sections of polystyrene, and shall permit a high transmittance of light on top and softly-diffused transmittance of light on sides. **Louvers** shall be a single steel assembly, permanently welded at each inter-section, hinged from either side of the fixture, and shall be completely removable. Louvers shall provide a shielding of 35° x 35°. **Ballast** shall be CBM-certified Rapid-Start High Power Factor (Note: for Slimline units, substitute "Ballasts shall be CBM-certified Slimline Series High Power Factor Type") mounted within housing channel. **Metal surfaces** shall be finished in high temperature baked enamel on bonderized surfaces, with reflectance of not less than 85%. The complete unit shall be UL-approved, and bear the label of I.B.E.W., A.F. of L.

Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-270
Printed in U.S.A.

5-57-RL

Light Distribution 0↑ 100↓



LOU4-96
(with steel side panels)

LOU4-96P
(with steel side panels and plastic inserts)

LOU

Smithcraft

LOUVERLITE

for SLIMLINE LAMPS;
for RAPID-START BI-PIN LAMPS

LOUVERLITE is a very shallow (only slightly more than 3″ in depth), smartly-styled modern, louvered unit ideal for stores, offices, schools and similar installations. Available in 8′ units for two or four Slimline Lamps, and in 4′ units for Rapid-Start Bi-Pin Lamps, with steel side panels, or with steel side panels with plastic inserts to permit a pleasing side light spill.

LIGHTING CHARACTERISTICS — LOUVERLITE provides a large, evenly illuminated area-of-light source with an interesting accent pattern in the center of the unit. Louvers provide a shielding of 25° crosswise, 40° lengthwise. Top reflector provides 100% downlight.

MOUNTING — LOUVERLITE may be installed either surface or pendant, individually or in continuous rows. The SS110 Canopy and Stem Set is recommended. For surface mounting, LOUVERLITE may be mounted in conventional manner, with toggle bolts, screws, etc.

MAINTENANCE — The rigid louvers are hinged from either side on Smithcraft's patented Duo-Cam Hangers, and may be completely removed without the use of tools. By releasing the louver, ballast and electrical components are exposed for easy servicing. The reflecting surfaces are finished in White Supercoat Baked Enamel . . . side and end panels finished in soft gray Neutra-Tone . . . on bonderized surfaces.

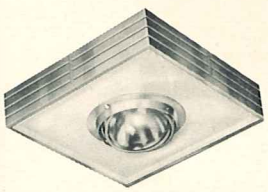
CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
LOU2-40	2 F40T12RS	33	LOU2-96	2 F96T12	62
LOU4-40	4 F40T12RS	47	LOU4-96	4 F96T12	94
WITH PLASTIC SIDE INSERTS			WITH PLASTIC SIDE INSERTS		
LOU2-40P	2 F40T12RS	33	LOU2-96P	2 F96T12	62
LOU4-40P	4 F40T12RS	50	LOU4-96P	4 F96T12	94
Packed one complete unit to a carton, including all fittings for normal continuous-row mounting.					

CANOPY AND STEM SET

Catalog No.	Description	For Use With
SS110	Canopy and Stem Set — canopy, single 24″ steel stem (O.D. 11/16″), heavy canopy bar, levelling strap, fittings.	4′ and 8′ units

LOUVERLITE SPOT BOXES

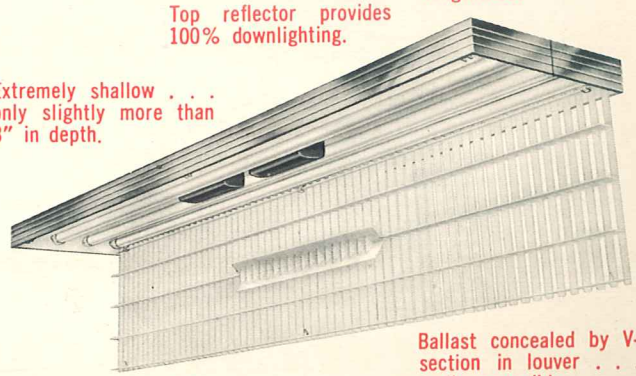


Spot Boxes	Description
SBL04DG	Double Gimbal for 4-light unit
SBL04LOV	Louvered for 4-light unit
SBL02DG	Double Gimbal for 2-light unit
SBL02LOV	Louvered for 2-light unit
Spot and corner boxes are available for two and four-light units. Units are square to permit exact matching. Louvered spot boxes and double-gimbal units are also available.	

Rigid egg-crate louver welded at each intersection. Provides shielding of 25° crosswise, 40° lengthwise.

Top reflector provides 100% downlighting.

Extremely shallow . . . only slightly more than 3″ in depth.

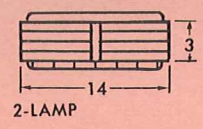


Louver hinges from either side on Patented Duo-Cam Hangers . . . easy relamping and cleaning.

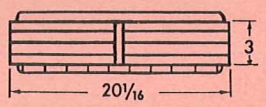
Ballast concealed by V-section in louver . . . easily accessible.

LOUVERLITE

END SECTION DIMENSIONS

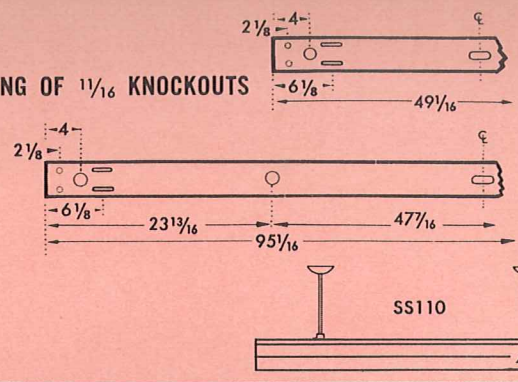


2-LAMP

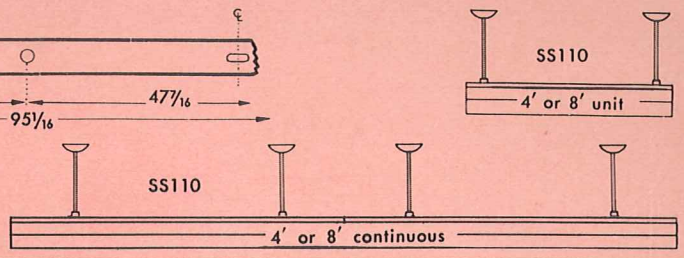


4-LAMP

SPACING OF 1 1/16 KNOCKOUTS

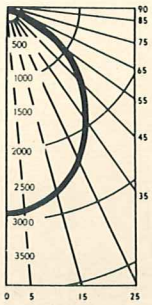


SUGGESTED PENDANT MOUNTING



LOU2-96

COEFFICIENTS OF UTILIZATION



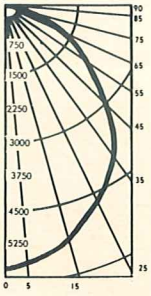
			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.31	.26	.23	.30	.26	.23	.30	.26	.23	.29	.25	.23
I	0.8		.39	.34	.31	.38	.33	.30	.38	.34	.30	.37	.33	.30
H	1.0		.45	.40	.36	.43	.38	.35	.43	.39	.35	.42	.38	.34
G	1.25		.51	.45	.41	.48	.43	.40	.48	.44	.41	.46	.43	.40
F	1.5		.55	.50	.45	.51	.47	.44	.52	.48	.44	.49	.46	.43
E	2.0		.60	.56	.51	.55	.52	.49	.57	.53	.49	.53	.50	.48
D	2.5		.64	.60	.56	.58	.55	.53	.60	.57	.54	.56	.54	.52
C	3.0		.67	.63	.59	.60	.57	.55	.62	.59	.56	.58	.57	.53
B	4.0		.71	.67	.63	.61	.59	.57	.64	.62	.60	.59	.58	.57
A	5.0		.73	.69	.68	.64	.61	.60	.67	.65	.62	.61	.60	.58

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	5.39	5.39
10°	5.26	4.99
20°	5.07	4.65
30°	5.02	3.31
40°	5.62	2.38
45°	4.83	1.89
50°	4.32	1.44
55°	3.01	1.31
60°	2.03	.98
65°	1.86	1.01
70°	1.63	.96
80°	1.1	.79
85°	.79	.63
90°	.24	.08

LOU4-96

COEFFICIENTS OF UTILIZATION



			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.30	.26	.22	.29	.25	.22	.29	.25	.22	.29	.25	.22
I	0.8		.38	.33	.29	.37	.32	.29	.37	.33	.29	.36	.32	.29
H	1.0		.44	.39	.35	.42	.36	.34	.42	.38	.34	.41	.37	.34
G	1.25		.50	.44	.40	.47	.38	.39	.47	.43	.39	.45	.41	.39
F	1.5		.54	.49	.44	.50	.46	.43	.51	.47	.43	.48	.45	.42
E	2.0		.60	.55	.50	.55	.51	.48	.56	.52	.48	.52	.50	.47
D	2.5		.64	.59	.54	.57	.54	.51	.59	.55	.52	.55	.53	.50
C	3.0		.67	.63	.58	.59	.55	.54	.61	.58	.55	.57	.55	.53
B	4.0		.70	.66	.63	.62	.59	.57	.64	.62	.59	.60	.58	.56
A	5.0		.73	.69	.67	.64	.61	.60	.67	.64	.62	.61	.60	.58

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	5.1	5.1
10°	5.2	4.7
20°	5.3	4.0
30°	5.0	3.3
40°	4.5	2.3
45°	4.0	1.9
50°	3.6	1.4
55°	3.3	1.3
60°	3.0	1.17
65°	2.5	1.04
70°	2.2	1.00
80°	1.6	0.87
85°	1.1	0.79
90°		

SPECIFICATIONS

SPECIFICATIONS: Fixture shall be a direct louvered unit, completely wired ready for installation, individually or in continuous rows, surface or pendant. **Housing** shall be formed of heavy gauge steel, completely enclosing ballast. **Side Shields** shall be formed of steel (Note: for polystyrene plastic side inserts, substitute "shall be formed of steel with polystyrene plastic inserts"). **Reflector** for complete downlighting shall be formed of steel. **Louver** shall be a single steel assembly, free to hinge from either side, and permanently welded at each intersection. **Ballast** shall be CBM-certified Slimline Series High Power Factor Type. For Rapid-Start Bi-Pin units, substitute "Ballast shall be CBM-certified Rapid-Start High Power Factor Type." (Note: for Slimline units, substitute "CBM-certified Slimline Series Ballasts, High Power Factor Type"). **Finish** of all reflecting surfaces shall be White Supercoat Baked Enamel with reflectance of not less than 85%; sides and end panels shall be finished in Neutra-Tone on bonderized surfaces. The complete unit shall be UL-approved, and bear the label of I.B.E.W., A.F. of L.

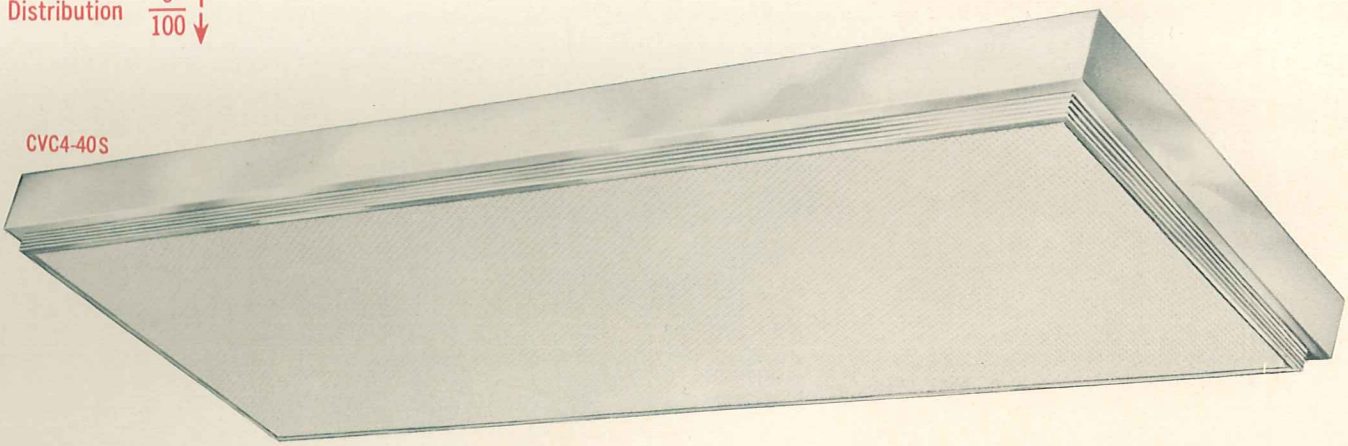
Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-280
Printed in U.S.A.

5-57-RL

Light Distribution 0 / 100 ↑↓

CVC4-40S



The CIVIC is a *truly architectural form* in lighting equipment . . . in excellent taste for executive offices, directors' rooms, reception areas and all types of commercial interiors. This good-looking, extruded aluminum-framed luminaire enhances the beauty of any interior.

LIGHTING CHARACTERISTICS — Lighting provided by the Civic is well-diffused, low-bright and comfortable. The unit has been designed for 100% downlighting. Because the unit is only 3 5/16" in depth it fits the ceiling snugly when surface mounted.

MOUNTING — The CIVIC is usually surface mounted because of its shallow depth but the unit may be pendant mounted with the SS102 Stem Set (see other side). Installation may be individually or in continuous rows. (Connectors are provided). Where the CIVIC is to be continuously mounted, supply information as to number of rows and number of units per row.

MAINTENANCE — The shielding of the CIVIC is contained in the extruded aluminum frame which has a natural brushed aluminum finish wax-protected and forms the sides and ends of the unit. This frame opens from either side by simply lifting the frame which swings down and hinges from either side.

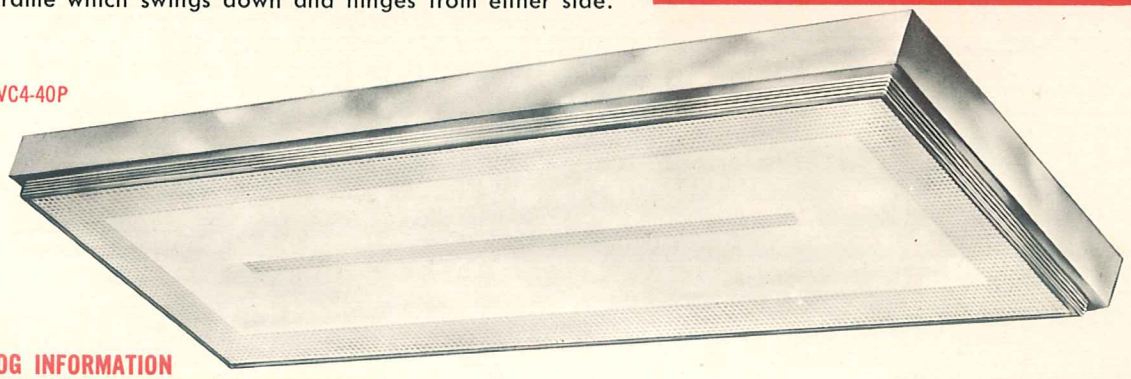
CVC

Smithcraft

CIVIC

FOR 2 OR 4 RAPID-START BI-PIN LAMPS

CVC4-40P



CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS

WITH CORNING PATTERN #70 GLASS

Catalog No.	No. and Type of Lamps	Ship. Wt.
CVC2-40S	2 F40T12RS	35
CVC4-40S	4 F40T12RS	42

WITH ACRYLIC PLASTIC

Catalog No.	No. and Type of Lamps	Ship. Wt.
CVC2-40P	2 F40T12RS	30
CVC4-40P	4 F40T12RS	37

Packed one complete unit to a carton with all fittings for normal continuous row mounting.

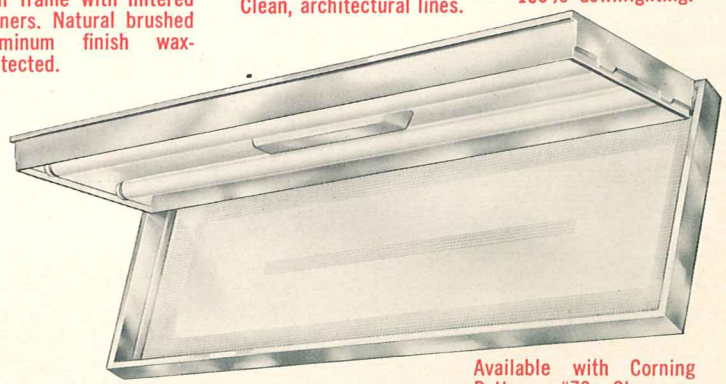
CANOPY AND STEM SET

Catalog No.	Description	For Use With
SS102	Canopy and Stem Set — canopy, single 15" steel stem (O.D. ½"), heavy canopy bar, fittings. Stem is adjustable after installation.	2-lite and 4-lite units

Rigidly constructed aluminum frame with mitered corners. Natural brushed aluminum finish wax-protected.

Clean, architectural lines.

Completely closed top for 100% downlighting.

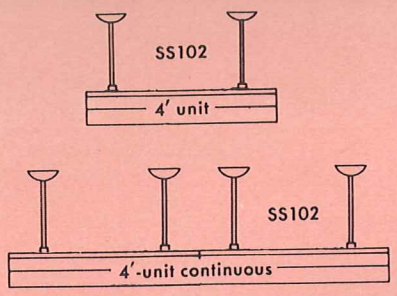


Unit opens by simply lifting frame which swings down and hangs. Hinges from either side.

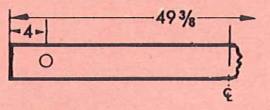
Available with Corning Pattern #70 Glass or Acrylic Plastic — with architectural pattern.

CIVIC

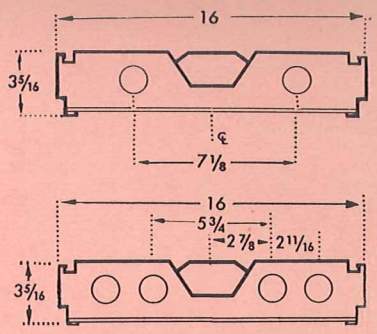
SUGGESTED PENDANT MOUNTING



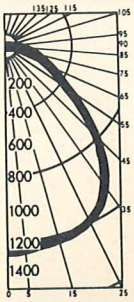
SPACING OF KNOCKOUTS



END SECTION DIMENSIONS



CVC 2-40S



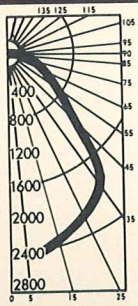
MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	4.3	4.5
10°	4.2	4.4
20°	4.0	4.3
30°	3.7	3.9
40°	3.4	3.2
45°	2.8	2.5
50°	2.1	2.0
55°	1.6	1.5
60°	1.0	1.2
65°	0.6	1.1
70°	0.4	1.1
80°	0.5	0.7
85°	0.4	0.6
90°	0	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.29	.24	.21	.27	.24	.21	.28	.24	.21	.27	.24	.21
I	0.8	.37	.32	.29	.35	.31	.28	.35	.31	.28	.34	.30	.28
H	1.0	.42	.37	.35	.40	.36	.33	.40	.36	.33	.39	.35	.33
G	1.25	.47	.42	.38	.44	.40	.37	.45	.41	.38	.43	.39	.37
F	1.5	.51	.46	.42	.47	.43	.41	.48	.44	.41	.46	.43	.40
E	2.0	.56	.51	.48	.51	.48	.45	.52	.49	.46	.49	.47	.45
D	2.5	.58	.53	.50	.52	.49	.46	.54	.50	.47	.50	.48	.46
C	3.0	.62	.58	.54	.55	.53	.50	.57	.54	.52	.53	.51	.49
B	4.0	.66	.63	.60	.58	.56	.54	.61	.59	.57	.56	.55	.53
A	5.0	.67	.64	.62	.59	.57	.55	.64	.59	.58	.56	.55	.54

CVC 4-40S



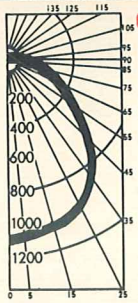
MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	5.5	5.7
10°	5.5	5.6
20°	5.5	5.5
30°	5.6	5.3
40°	5.4	4.6
45°	4.4	4.7
50°	3.3	3.5
55°	2.4	3.0
60°	1.5	2.3
65°	1.0	2.1
70°	.9	2.0
80°	1.0	1.2
85°	.9	1.0
90°	0	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.25	.22	.19	.25	.21	.19	.25	.22	.19	.24	.21	.19
I	0.8	.32	.28	.25	.31	.27	.25	.31	.27	.25	.30	.27	.25
H	1.0	.36	.32	.29	.34	.31	.29	.34	.31	.29	.33	.30	.28
G	1.25	.40	.36	.33	.38	.34	.32	.38	.35	.32	.37	.34	.32
F	1.5	.43	.39	.36	.40	.37	.35	.41	.38	.35	.39	.36	.34
E	2.0	.48	.44	.41	.43	.41	.39	.44	.42	.39	.42	.40	.38
D	2.5	.50	.47	.44	.45	.43	.41	.47	.44	.42	.44	.42	.40
C	3.0	.52	.49	.47	.47	.45	.43	.48	.46	.44	.45	.43	.42
B	4.0	.55	.52	.50	.49	.47	.45	.51	.49	.47	.47	.45	.44
A	5.0	.57	.55	.53	.55	.48	.47	.52	.51	.49	.48	.47	.46

CVC 2-40P



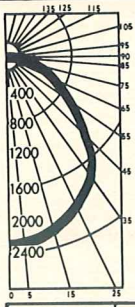
MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	3.3	3.5
10°	3.2	3.4
20°	3.1	3.2
30°	3.0	3.0
40°	2.9	2.7
45°	2.6	2.5
50°	2.5	2.4
55°	2.3	2.2
60°	2.0	2.0
65°	1.8	1.9
70°	1.6	1.7
80°	1.0	1.3
85°	.6	1.0
90°	0	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.27	.22	.19	.26	.22	.19	.26	.22	.19	.25	.22	.19
I	0.8	.34	.30	.26	.33	.29	.26	.33	.30	.26	.32	.28	.26
H	1.0	.40	.35	.31	.38	.34	.31	.38	.34	.31	.37	.33	.30
G	1.25	.46	.40	.36	.43	.38	.35	.43	.39	.36	.41	.38	.35
F	1.5	.50	.44	.40	.46	.42	.39	.46	.43	.39	.44	.41	.38
E	2.0	.55	.50	.46	.50	.47	.44	.51	.48	.45	.47	.46	.43
D	2.5	.59	.54	.50	.53	.50	.47	.55	.51	.48	.52	.49	.47
C	3.0	.62	.57	.54	.55	.52	.50	.57	.54	.51	.53	.50	.49
B	4.0	.65	.61	.58	.57	.55	.53	.60	.57	.55	.55	.53	.52
A	5.0	.68	.65	.62	.59	.57	.55	.62	.60	.58	.57	.55	.54

CVC 4-40P



MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	6.0	6.0
10°	6.0	5.9
20°	5.9	5.9
30°	5.5	5.7
40°	5.4	5.2
45°	4.6	4.6
50°	4.2	3.9
55°	3.8	3.5
60°	3.3	3.0
65°	2.9	2.3
70°	2.5	2.2
80°	2.0	2.0
85°	1.5	1.8
90°	0	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.25	.21	.18	.24	.21	.18	.24	.21	.18	.18	.20	.18
I	0.8	.32	.27	.24	.31	.27	.24	.31	.27	.24	.30	.26	.24
H	1.0	.37	.32	.29	.35	.31	.28	.35	.32	.28	.34	.31	.28
G	1.25	.42	.37	.33	.40	.35	.32	.40	.36	.33	.38	.35	.32
F	1.5	.46	.41	.37	.42	.42	.36	.43	.40	.36	.41	.38	.35
E	2.0	.50	.46	.42	.46	.42	.40	.47	.43	.41	.44	.41	.39
D	2.5	.54	.49	.46	.48	.46	.43	.50	.47	.44	.47	.44	.42
C	3.0	.56	.52	.49	.50	.47	.45	.52	.49	.47	.48	.46	.44
B	4.0	.59	.55	.53	.52	.50	.48	.54	.52	.50	.50	.48	.47
A	5.0	.61	.59	.56	.54	.52	.50	.56	.54	.52	.52	.50	.49

SPECIFICATIONS

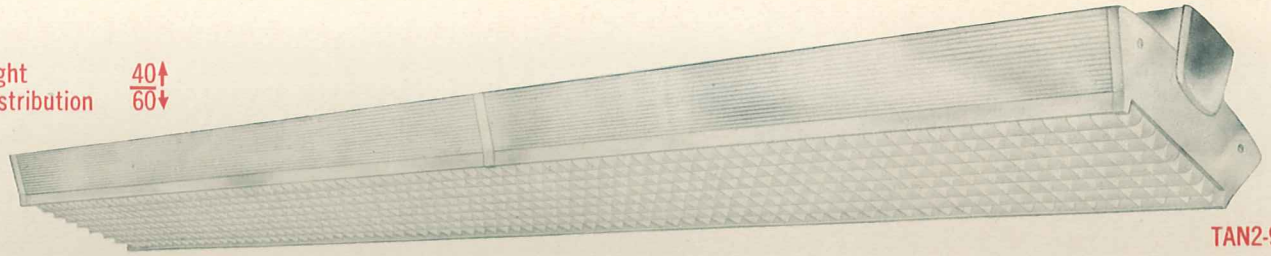
SPECIFICATIONS: Fixture shall be totally direct, completely wired, ready for installation. **Housing** shall be one-piece formed of 20-gauge steel, shall enclose the ballast, and shall form a wireway for continuous mounting. **Shielding** shall consist of Corning Pattern #70 Glass, contained in extruded aluminum frame with mitered corners which shall form the sides and ends of the unit, and shall hinge open from either side by lifting of other side and swinging down. (Note: for Acrylic Plastic, substitute "one-piece Acrylic Plastic, with architectural pattern" in place of "Corning Pattern #70 Glass"). **Ballasts** shall be CBM-certified, H.P.F. **Finish** on bonderized steel surfaces shall be High Temperature Baked Enamel. Finish of frame shall be natural brushed aluminum (wax-protected). Complete unit shall be U.L.-approved, and bear the label of I.B.E.W., A.F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-290
Printed in U.S.A.

7/57-RL

Light Distribution 40 / 60



TAN2-96

PURITAN is a very modern, trim unit for commercial or institutional installation, with ribbed glass sides and louvered bottom shielding. Available with two, three or four 48" 40-watt Rapid-Start Bi-Pin lamps or with two, three or four 48" or 96" Slimline lamps.

LIGHTING CHARACTERISTICS — PURITAN is general diffuse in light distribution. Side shields of ribbed glass provide a soft, pleasing, low-bright illumination outwards with a high transmittance of downlighting through the louvers. Rigid steel egg-crate louvers, permanently welded at every intersection, provide a shielding of 35° crosswise and 35° lengthwise (shielding of 45° crosswise, 45° lengthwise also available).

MOUNTING — PURITAN may be pendant or surface mounted, individually or in continuous rows. For pendant mounting, the SS105, SS110 and SS115 Stem Sets may be used. For simplified surface mounting, use the Smithcraft Ceiling Clamp S4939 (See other side). Or unit may be mounted in any conventional manner, — screws, toggle bolts, etc.

MAINTENANCE — The rigid, steel louver hinges from either side on Smithcraft's patented Duo-Cam Hangers; can be completely removed without involving tools or loose parts. Side panels slide out easily for cleaning. Ballast and electrical components are exposed for easy servicing by releasing louver. The Smithcraft Bonderite and Baked Enamel Finish on the metal parts adheres firmly, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, effectively resists abrasions, and reflects a maximum percentage of light.

TAN

Smithcraft PURITAN

for SLIMLINE LAMPS;
for RAPID-START BI-PIN LAMPS

CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
TAN2-40	2 F40T12RS	34	TAN2-96	2 F96T12	65
TAN2-42	4 F40T12RS (8′ housing)	65	TAN2-48	2 F48T12	43
TAN3-40	3 F40T12RS	35	TAN3-96	3 F96T12	75
TAN3-42	6 F40T12RS (8′ housing)	69	TAN3-48	3 F48T12	42
TAN4-40	4 F40T12RS	36	TAN4-96	4 F96T12	77
TAN4-42	8 F40T12RS (8′ housing)	71	TAN4-48	4 F48T12	48

Specify if louver cutoff of 45° crosswise, 45° lengthwise is desired.
Packed one complete unit to a carton. For continuous row mounting, specify number and length of rows; necessary end caps and connectors will be supplied.

TOP REFLECTORS

Additional downlighting may be obtained through use of the top reflectors listed below.

Catalog No.	For Use With
U-48 (Single reflector per fixture)	48" Puritan Units
U-96 (Single reflector per fixture)	96" Puritan Slimline Units
U-482 (Two 48" reflectors per fixture)	8′ Puritan Bi-Pin Units

CANOPY AND STEM SETS

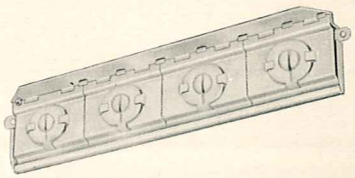
Catalog No.	Description
SS105	Canopy and Double Stem Set — canopy, two 30" steel stems (O.D. 11/16" 8" on centers). Plate insert with screws. Size of canopy 13½" x 6¼".
SS110	Canopy and Stem Set — canopy, single 24" steel stem (O.D. 11/16"), heavy canopy bar, levelling strap, fittings.
SS115	Canopy and Stem Set — canopy, single 15" steel stem, (O.D. ½"), heavy canopy bar, hanger clamp with adjustable stem, fittings. Stem is adjustable to 1½".

CEILING CLAMP

S4939 — Ceiling Clamp (permits simplified surface mounting). Two required per fixture.

ADAPTABLE SOCKET-HOLDER BRIDGE

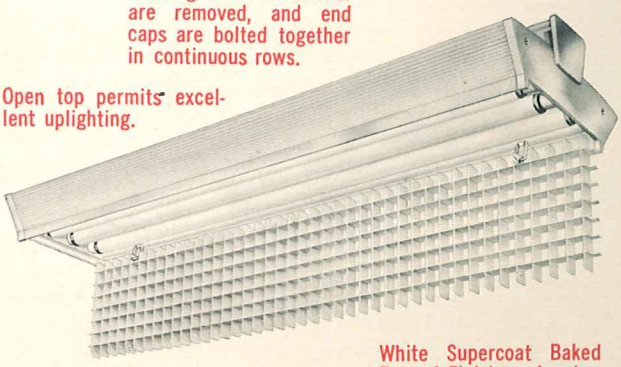
Replace any lampholder or change spacing, removing only one screw.



Louvers are hinged from either side . . . easily removed without tools.

Housing end ornaments are removed, and end caps are bolted together in continuous rows.

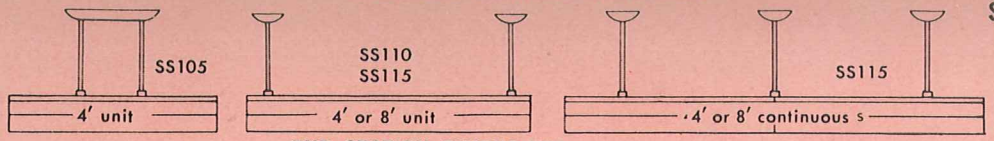
Open top permits excellent uplighting.



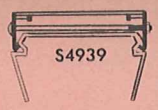
Ribbed glass side panels permit softly-diffused, glare-free light outwards.

White Supercoat Baked Enamel Finish on bonderized surfaces.

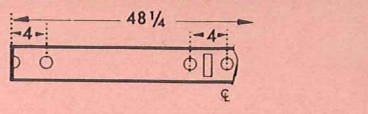
SUGGESTED PENDANT MOUNTINGS



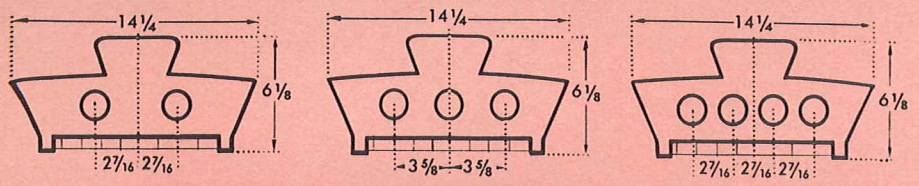
SURFACE MOUNTING WITH S4939 CEILING CLAMP

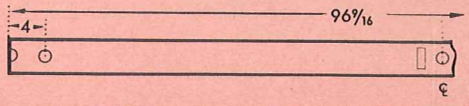


SPACING OF KNOCKOUTS

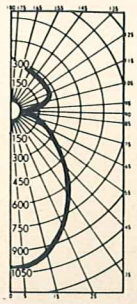


END SECTION DIMENSIONS





TAN 2-40



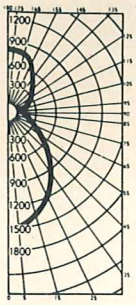
COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor			80% Ceiling 10% Floor			50% Ceiling 30% Floor			50% Ceiling 10% Floor		
			50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.23	.19	.16	.23	.18	.16	.22	.18	.15	.21	.18	.15
I	0.8		.30	.25	.21	.29	.24	.21	.27	.23	.20	.27	.23	.19
H	1.0		.35	.29	.25	.34	.29	.25	.32	.27	.24	.31	.27	.24
G	1.25		.41	.35	.31	.38	.34	.30	.36	.32	.28	.35	.31	.28
F	1.5		.46	.40	.35	.43	.38	.34	.40	.35	.32	.39	.35	.31
E	2.0		.53	.46	.41	.49	.44	.40	.45	.41	.37	.43	.39	.36
D	2.5		.57	.51	.46	.53	.48	.44	.49	.44	.41	.46	.43	.40
C	3.0		.62	.57	.51	.56	.52	.48	.51	.47	.44	.48	.45	.42
B	4.0		.67	.62	.57	.60	.56	.52	.55	.51	.48	.51	.48	.46
A	5.0		.71	.66	.62	.63	.59	.56	.58	.54	.52	.53	.51	.49

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	5.3	5.3
10°	4.6	4.8
20°	4.1	4.1
30°	3.8	3.9
40°	3.0	3.0
45°	2.8	2.3
50°	2.0	1.8
55°	1.6	1.3
60°	1.4	1.2
65°	1.2	1.1
70°	1.2	.9
80°	1.4	.8
85°	1.4	.7
90°	1.4	.2

TAN 3-40



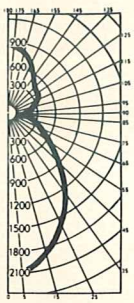
COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor			80% Ceiling 10% Floor			50% Ceiling 30% Floor			50% Ceiling 10% Floor		
			50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.23	.19	.16	.23	.19	.16	.21	.18	.15	.21	.18	.15
I	0.8		.30	.25	.21	.29	.24	.21	.27	.22	.20	.27	.23	.20
H	1.0		.36	.30	.26	.35	.29	.26	.32	.27	.24	.31	.27	.24
G	1.25		.40	.36	.31	.40	.34	.31	.37	.32	.28	.35	.31	.28
F	1.5		.47	.40	.35	.44	.38	.35	.40	.35	.32	.39	.34	.31
E	2.0		.53	.46	.41	.50	.45	.41	.45	.40	.36	.43	.39	.36
D	2.5		.59	.52	.47	.54	.49	.45	.49	.45	.41	.46	.42	.39
C	3.0		.62	.56	.51	.57	.52	.48	.51	.47	.44	.48	.45	.42
B	4.0		.68	.62	.58	.60	.56	.53	.55	.51	.48	.51	.48	.46
A	5.0		.72	.67	.63	.63	.61	.57	.58	.54	.51	.53	.51	.49

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	5.9	5.9
10°	5.3	5.4
20°	5.4	5.1
30°	4.4	4.0
40°	3.4	3.2
45°	2.8	2.8
50°	2.3	2.1
55°	1.9	1.6
60°	1.8	1.6
65°	2.1	1.4
70°	2.1	1.2
80°	2.00	1.0
85°	2.0	.9
90°	1.8	.2

TAN 4-40



COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor			80% Ceiling 10% Floor			50% Ceiling 30% Floor			50% Ceiling 10% Floor		
			50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.23	.19	.16	.23	.18	.16	.21	.18	.15	.21	.18	.16
I	0.8		.30	.25	.21	.29	.24	.21	.27	.23	.20	.26	.23	.20
H	1.0		.35	.30	.26	.34	.29	.26	.32	.30	.24	.31	.27	.24
G	1.25		.41	.35	.31	.39	.34	.30	.36	.32	.28	.35	.31	.28
F	1.5		.45	.39	.34	.43	.38	.34	.39	.35	.31	.38	.34	.31
E	2.0		.52	.45	.41	.48	.43	.39	.44	.40	.36	.42	.38	.34
D	2.5		.57	.50	.46	.52	.47	.43	.47	.44	.40	.45	.41	.39
C	3.0		.60	.54	.50	.54	.50	.47	.50	.46	.43	.47	.44	.41
B	4.0		.65	.60	.55	.58	.54	.51	.53	.50	.47	.49	.47	.45
A	5.0		.68	.64	.60	.60	.57	.54	.57	.53	.50	.54	.49	.47

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	6.8	6.8
10°	6.8	5.4
20°	6.5	4.0
30°	5.7	4.4
40°	5.1	3.7
45°	4.1	3.3
50°	3.0	2.9
55°	2.7	2.5
60°	2.4	2.3
65°	2.3	2.0
70°	2.3	1.9
80°	2.3	1.6
85°	2.1	1.3
90°	2.0	0.2

SPECIFICATIONS

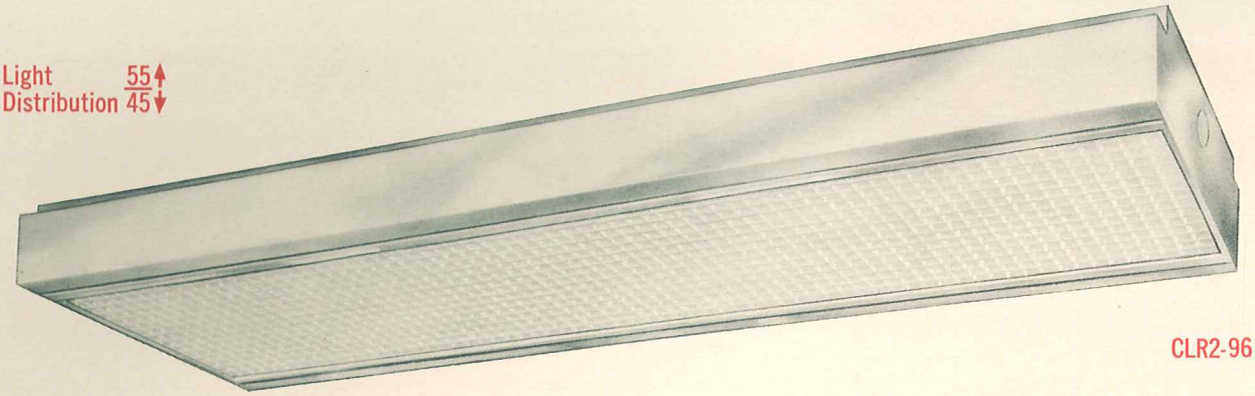
SPECIFICATIONS: Fixture shall be a general diffuse louvered unit of sturdy construction, completely wired, ready for installation. **Housing** shall be one-piece, formed of 20-gauge steel to permit the use of preformed C-clamp and shall enclose the ballast. Side shields shall consist of ribbed frosted prismatic glass panels, easily removable for cleaning. **Louvers** shall be a single steel assembly, welded at each intersection, hingeable from either side and completely removable. **Ballast** shall be CBM-certified Rapid-Start High Power Factor. (Note: for Slimline units substitute "Ballast shall be CBM-certified Slimline Series, High Power Factor Type). **Finish** of metal surfaces shall be high temperature baked enamel on bonderized surfaces, with reflectance of not less than 85%. The complete unit shall be UL-approved, and bear the label of I.B.E.W., A.F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-300
Printed in U.S.A.

5-57-RL

Light Distribution 55↑ 45↓



CLR2-96

The CLEER is a smart, shallow, modern luminaire with plastic sides and plastic louvers . . . architecturally clean and functional. Excellent lighting for offices, schools and all types of installations. An ideal selling tool for stores. Available for 2 or 4 Rapid-Start Bi-Pin Lamps in 4′ and 8′ lengths and for 2 or 4 Slimline Lamps in 8′ lengths.

CLR
Smithcraft
CLEER
for SLIMLINE LAMPS; for RAPID-START BI-PIN LAMPS

LIGHTING CHARACTERISTICS — Wider than the conventional fixture (more than 14″), the CLEER provides a high transmittance of glare-free comfortable lighting. With pendant mounting there is a high degree of uplighting through the top of the fixture, reducing contrast. The plastic louver provides a shielding of 42° x 42°. Clean and eye-pleasing plastic side shields permit a soft, diffusion of light outwards. Top reflectors for 100% downlighting are available at extra cost.

MOUNTING — The CLEER is easy to install whether surface or pendant mounted, individually or in continuous rows. For surface mounting the unit may be mounted with toggle bolts, screws, etc. And for simplified surface mounting the Smithcraft Ceiling Clamp S4939 may be used. For pendant mounting, the SS105, SS102, SS110 or SS115 Stem Sets may be used.

MAINTENANCE — The louver is easily lifted out of position for relamping, and hangs by spring clips. Electrical components and wiring are readily accessible. Plastic side panels are easily removed for cleaning. The Smithcraft Bonderite and Baked Enamel Finish on the metal parts adheres firmly, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, effectively resists abrasions, and reflects a maximum percentage of light.

CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
CLR2-40 CLR2-42	2 F40T12RS 4 F40T12RS (8′ housing)	22 43	CLR2-96	2 F96T12	45
CLR4-40 CLR4-42	4 F40T12RS 8 F40T12RS (8′ housing)	26 51	CLR4-96	4 F96T12	55
Packed one complete unit to a carton.					

REFLECTORS FOR 100% DOWNLIGHTING

Catalog No.	For Use With	Note: 4′ Units require one pair or two reflector pieces 8′ Units require two pair or four reflector pieces
C-48 (pair)	4′ Units	
C-96 (pair)	8′ Units	

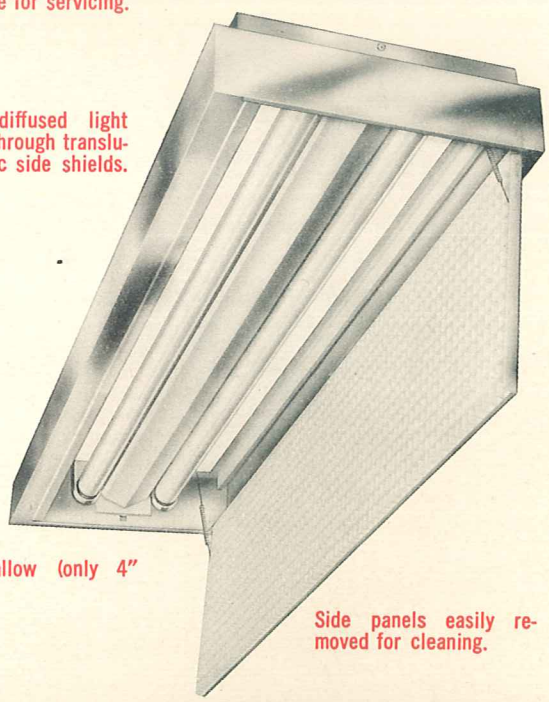
CANOPY AND STEM SETS

Catalog No.	Description	For Use With
SS102	Canopy and Stem Set — canopy, single 15″ steel stem (O.D. ½″), heavy canopy bar, fittings. Stem is adjustable after installation.	all units
SS110	Canopy and Stem Set — canopy, single 24″ steel stem (O.D. 11/16″), heavy canopy bar, levelling strap, fittings.	all units
SS115	Canopy and Stem Set — canopy, single 15″ steel stem (O.D. ½″), heavy canopy bar, hanger clamp with adjustable stem, fittings. Stem is adjustable up to 1½″.	all units
SS105	Canopy and Double Stem Set — canopy, two 30″ steel stems (O.D. 11/16″ 8″ on centers). Plate insert with screws. Size of canopy 13½″ x 6¼″.	4′ units

Ballasts and electrical components easily accessible for servicing.

Wider than conventional fixtures (more than 14″).

Pleasing diffused light outwards through translucent plastic side shields.

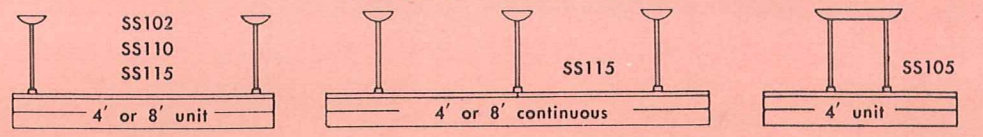


Very shallow (only 4″ deep).

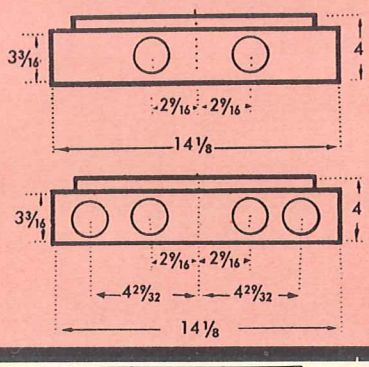
Side panels easily removed for cleaning.

CLEER

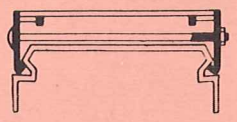
SUGGESTED PENDANT MOUNTING



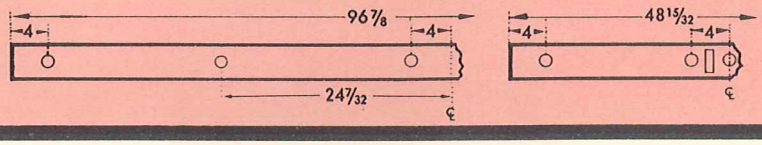
END SECTION DIMENSIONS



SURFACE MOUNTING WITH S4939 CEILING CLAMP



SPACING OF KNOCKOUTS





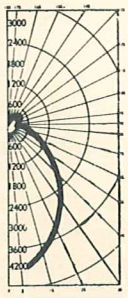
CLR 2-96 surface mounted

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0	4.3	4.3
10	4.1	4.0
20	3.6	3.5
30	3.0	2.8
40	1.9	2.1
45	1.6	1.6
50	1.3	1.3
55	1.2	1.2
60	1.01	1.1
65	0.9	1.0
70	0.9	0.9
80	0.9	0.7
85	0.8	0.6
90	0.8	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.24	.20	.17	.24	.20	.17	.23	.20	.17	.22	.19	.17
I	0.8	.31	.26	.23	.30	.26	.23	.29	.25	.22	.28	.25	.22
H	1.0	.36	.31	.27	.34	.30	.27	.33	.29	.26	.32	.29	.26
G	1.25	.40	.36	.32	.38	.34	.31	.37	.33	.30	.36	.32	.30
F	1.5	.44	.39	.35	.41	.37	.34	.40	.37	.34	.38	.35	.33
E	2.0	.49	.44	.40	.45	.41	.38	.44	.41	.38	.42	.39	.37
D	2.5	.52	.48	.44	.47	.44	.41	.47	.44	.41	.44	.42	.40
C	3.0	.54	.51	.47	.49	.46	.44	.49	.46	.44	.46	.43	.42
B	4.0	.58	.54	.51	.51	.49	.46	.52	.49	.47	.48	.46	.44
A	5.0	.60	.57	.55	.53	.51	.49	.53	.51	.50	.49	.48	.46



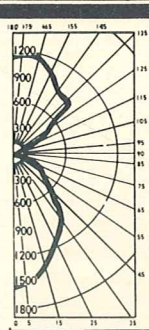
CLR 4-96 surface mounted

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0	5.1	5.1
10	4.8	4.7
20	4.6	4.1
30	3.9	3.5
40	3.0	2.8
45	2.4	2.4
50	2.1	2.1
55	1.9	1.8
60	1.7	1.7
65	1.7	1.5
70	1.8	1.4
80	1.8	1.1
85	1.7	0.9
90	—	—

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.21	.17	.14	.20	.17	.14	.19	.16	.14	.19	.16	.14
I	0.8	.28	.24	.22	.27	.23	.20	.26	.23	.20	.25	.22	.20
H	1.0	.32	.28	.25	.31	.27	.24	.30	.26	.24	.29	.26	.23
G	1.25	.37	.32	.29	.35	.31	.28	.34	.30	.27	.32	.29	.27
F	1.5	.40	.35	.32	.37	.34	.31	.37	.33	.30	.35	.32	.30
E	2.0	.45	.40	.37	.41	.38	.35	.40	.37	.34	.38	.35	.33
D	2.5	.48	.44	.40	.43	.40	.38	.43	.40	.37	.40	.38	.36
C	3.0	.50	.47	.43	.45	.42	.40	.45	.42	.40	.42	.39	.38
B	4.0	.53	.50	.47	.47	.44	.42	.47	.45	.43	.44	.42	.40
A	5.0	.55	.52	.50	.49	.47	.45	.49	.47	.45	.45	.44	.42



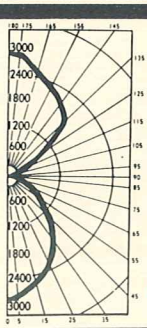
CLR 2-96 pendant mounted

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0	3.7	3.7
10	3.3	3.3
20	2.6	3.6
30	2.2	2.5
40	1.6	1.8
45	1.3	1.4
50	1.0	1.1
55	0.9	1.0
60	0.8	0.9
65	0.7	0.8
70	0.6	0.9
80	0.6	0.6
85	0.6	0.5
90	0.6	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.21	.16	.14	.21	.16	.13	.19	.15	.13	.18	.15	.13
I	0.8	.28	.22	.19	.27	.22	.19	.24	.20	.17	.24	.18	.17
H	1.0	.33	.27	.23	.32	.27	.23	.28	.24	.21	.28	.24	.21
G	1.25	.39	.33	.29	.38	.32	.28	.33	.29	.25	.32	.28	.25
F	1.5	.44	.38	.33	.42	.38	.32	.36	.32	.28	.35	.31	.28
E	2.0	.51	.44	.40	.47	.43	.38	.41	.37	.33	.39	.35	.32
D	2.5	.56	.50	.45	.50	.47	.43	.44	.40	.37	.42	.39	.36
C	3.0	.60	.54	.49	.54	.50	.46	.47	.43	.40	.44	.41	.39
B	4.0	.65	.60	.55	.58	.54	.51	.50	.47	.44	.47	.44	.42
A	5.0	.69	.64	.61	.61	.58	.55	.53	.50	.47	.49	.47	.45



CLR 4-96 pendant mounted

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0	4.4	4.4
10	4.3	4.3
20	3.7	3.7
30	3.1	3.2
40	2.5	2.5
45	2.0	2.1
50	1.7	1.6
55	1.5	1.5
60	1.4	1.4
65	1.3	1.3
70	1.3	1.3
80	1.3	1.3
85	1.3	1.3
90	1.3	1.3

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.21	.16	.13	.21	.16	.13	.19	.15	.12	.18	.15	.12
I	0.8	.28	.23	.19	.27	.22	.19	.24	.20	.17	.24	.20	.17
H	1.0	.34	.28	.23	.33	.27	.23	.29	.24	.21	.28	.24	.21
G	1.25	.37	.33	.29	.38	.32	.28	.33	.28	.25	.32	.28	.25
F	1.5	.45	.36	.33	.43	.39	.32	.36	.32	.28	.35	.31	.28
E	2.0	.52	.45	.40	.49	.43	.39	.41	.37	.33	.39	.36	.32
D	2.5	.58	.51	.46	.53	.48	.44	.45	.41	.37	.42	.39	.36
C	3.0	.62	.55	.50	.56	.51	.47	.47	.43	.40	.45	.41	.39
B	4.0	.67	.62	.56	.60	.56	.52	.51	.48	.45	.47	.44	.43
A	5.0	.71	.67	.63	.63	.60	.56	.53	.50	.48	.49	.47	.45

SPECIFICATIONS

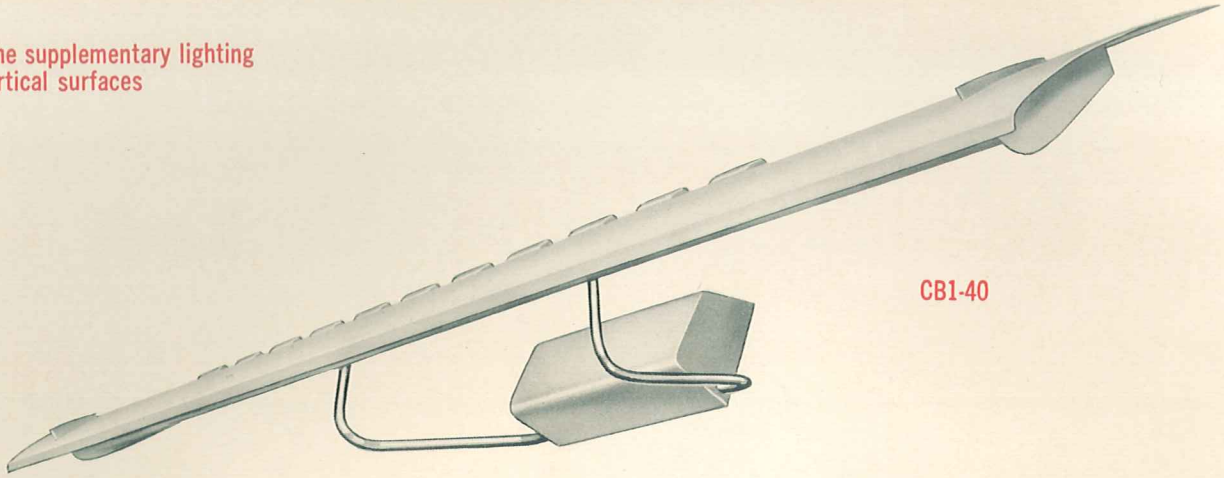
SPECIFICATIONS: Fixture shall be a general diffuse, plastic-sided, plastic-louvered unit of sturdy construction, completely wired, ready for installation. **Housing** shall be one-piece, formed of 20-gauge steel, completely enclosing the ballast. **Side shields** shall be formed of extruded polystyrene, metal-bound along the bottom edge, and shall be easily removed for cleaning. **Louvers** shall be a one-piece plastic assembly of molded polystyrene, providing 42° x 42° shielding, easily removable, and shall be suspended by springs for re-lamping. **Ballast** shall be CBM-certified, Rapid-Start High Power Factor (For Slimline units substitute "Ballasts shall be CBM-certified Slimline Series High Power Factor). **Finish** of all metal surface shall be White Supercoat Baked Enamel on bonderized surfaces with reflectance of not less than 85%. The complete unit shall be UL-approved, and bear the label of I.B.E.W., A.F.L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-310
Printed in U.S.A.

5-57-RL

For the supplementary lighting of vertical surfaces



CB1-40

CHALKBOARDER is a smart, modern unit designed to provide excellent vertical lighting over the entire surface of a chalkboard. It is also excellent for use in lighting displays, exhibits, bulletin boards, art galleries, etc. Available for Rapid-Start Bi-Pin Lamps in 4′ and 8′ units and for Slimline Lamps in 4′, 8′ and 16′ units.

CB
Smithcraft
CHALKBOARDER
For SLIMLINE LAMPS;
For RAPID-START BI-PIN LAMPS

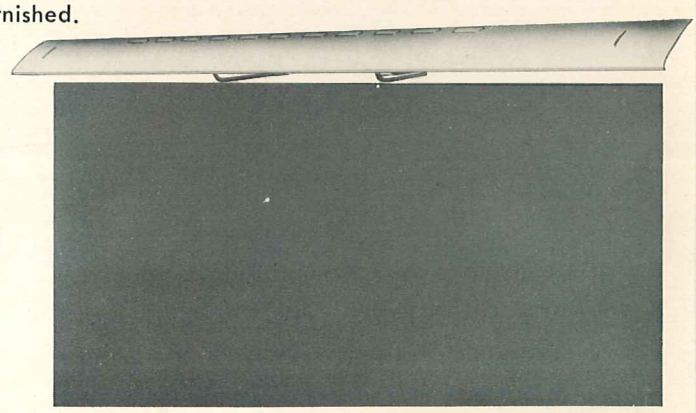
LIGHTING CHARACTERISTICS — With the Chalkboarder excellent illumination is achieved over the entire surface of the chalkboard. The visibility of even small characters and figures in chalk writing is greatly improved. Proper shielding is quickly obtained regardless of the location of desks in schoolrooms. Apertures in the top of the reflector permit soft uplighting reducing contrast between the lighted area and the surroundings.

MOUNTING — CHALKBOARDER may be installed individually or in continuous rows. Easily installed, the unit is adjustable at two locations . . . reflector may be raised or lowered by unit's supporting arms; reflector may be tilted to obtain correct shielding. In continuous rows, reflectors overlap and are coupled.

CONSTRUCTION — The reflector is aluminum, with inside reflecting surface finished in White Supercoat Baked Enamel, on bonderized surfaces. Outer surface finished in Smithcraft Neutra-tone, a soft gray that blends with its surroundings. CHALKBOARDER is furnished ready to install, wired and packed one complete unit to a carton . . . necessary reflector couplings for continuous mounting furnished.

CATALOG INFORMATION

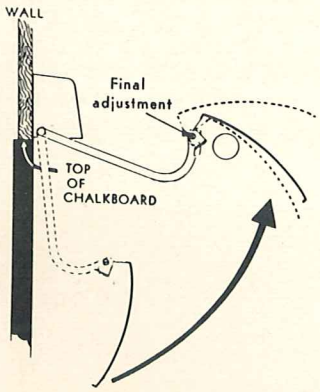
FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
CB1-40	1 F40T12RS	19	CB1-48 CB1-96	1 F48T12 1 F96T12 (8′ reflector)	24 33
CB1-42	2 F40T12RS (8′ reflector)	27	CB1-192	2 F96T12 (Two 8′ units)	53
Packed one complete unit to a carton.					

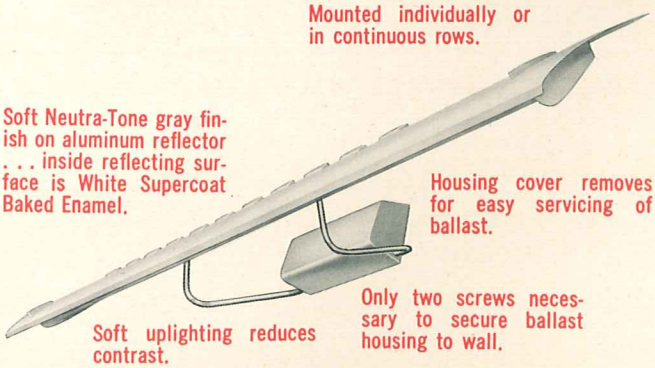


Mounted individually or in continuous rows.

CHALKBOARDER QUICKLY ADAPTED FOR OPTIMUM LIGHTING BECAUSE OF 2-WAY ADJUSTABILITY

1. Arms adjusted by thumb screws in any one of four positions so lamp is level with top of chalkboard.
2. Final adjustment made at swivel clamp so reflector is raised as high as possible and lamp is not visible from front row of desks.





Soft Neutra-Tone gray finish on aluminum reflector . . . inside reflecting surface is White Supercoat Baked Enamel.

Housing cover removes for easy servicing of ballast.

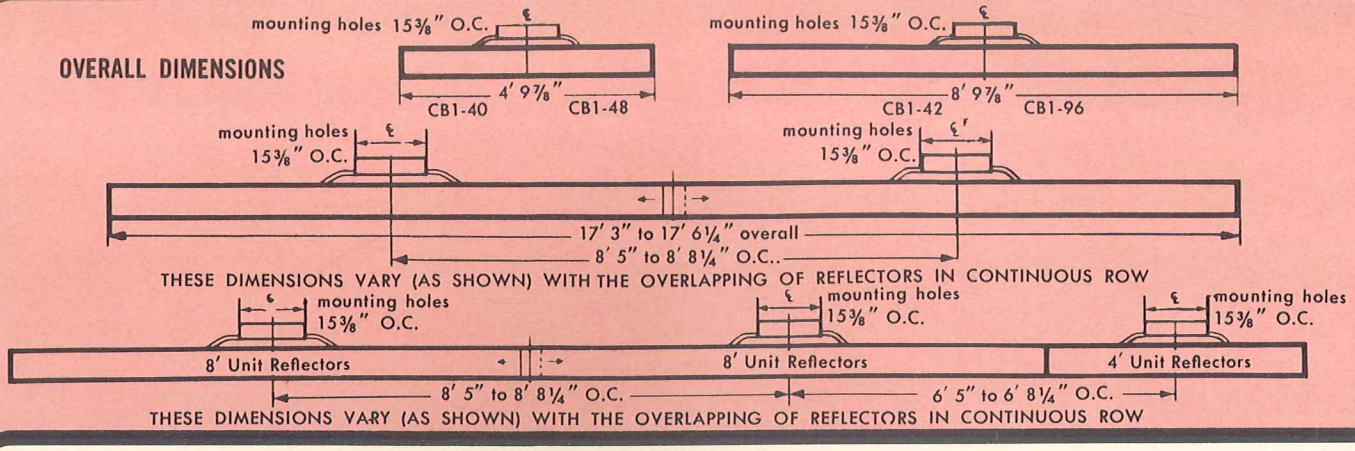
Only two screws necessary to secure ballast housing to wall.

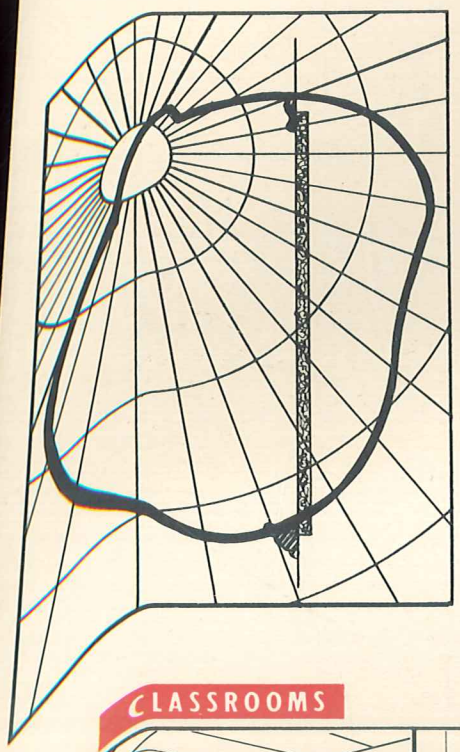
Soft uplighting reduces contrast.

Smithcraft Lighting CHELSEA 50, MASSACHUSETTS

CHALKBOARDER

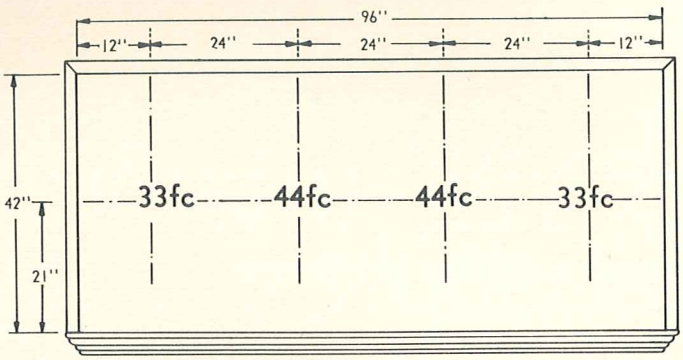
OVERALL DIMENSIONS





NOTE: THESE READINGS WERE TAKEN ACROSS THE CENTER OF A TYPICAL CHALKBOARD WITHOUT ADDITIONAL ILLUMINATION IN THE ROOM.

THE CHALKBOARDER has an asymmetric light distribution providing more than adequate illumination over the entire surface of the chalkboard.



CLASSROOMS **EXHIBITS** **ART GALLERIES** **BULLETIN BOARDS**



DISPLAYS, LIBRARIES, CORNICES, INDIRECT LIGHTING, WALL DESK LIGHTING, MISCELLANEOUS INDUSTRIAL APPLICATIONS

SPECIFICATIONS

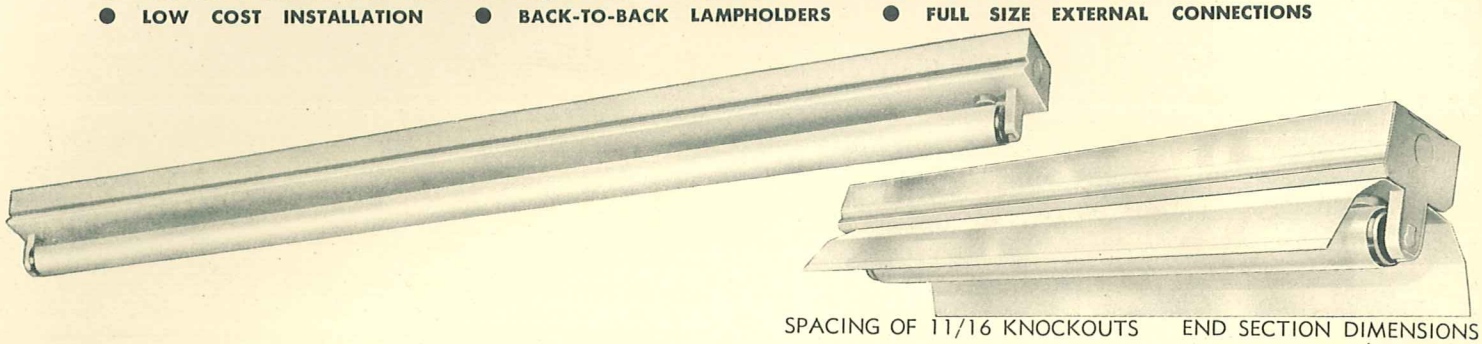
APPLICATIONS: Fixture shall be specifically designed for lighting vertical surfaces, furnished completely wired, ready for installation, and shall be adjustable for varying class-room conditions. **Reflector** shall be formed of 18-gauge aluminum, with apertures in the top to permit uplighting, and adjustable so that it may be tilted for any desired shielding angle. **Housing Cover** shall be of 20-gauge steel; **Ballast mounting plate and wall bracket,** 16-gauge steel. **Reflector supporting arms,** 14-gauge steel. **Ballast** shall be CBM-certified Rapid-Start High Power Factor (For Slimline units substitute "Ballast shall be CBM-certified Series High Power Factor"), enclosed in housing, and on mounting plate. **Finish** reflecting surface shall be White Supercoat Baked Enamel on bonderized surfaces with reflectance of not less than 85%. Outer surface of reflector shall be finished in light Ultra-Tone. The complete unit shall be UL-approved, and bear the label of I.B.E.W., A. F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Smithcraft

STRIP LIGHTING | S-SERIES

- **EXCLUSIVE SLIDE-AWAY LAMPHOLDERS, Patent No. 2,559,639**
- **KNOCKOUTS FOR CONVENIENCE OUTLET**
- **LOW COST INSTALLATION**
- **BACK-TO-BACK LAMPHOLDERS**
- **FULL SIZE EXTERNAL CONNECTIONS**



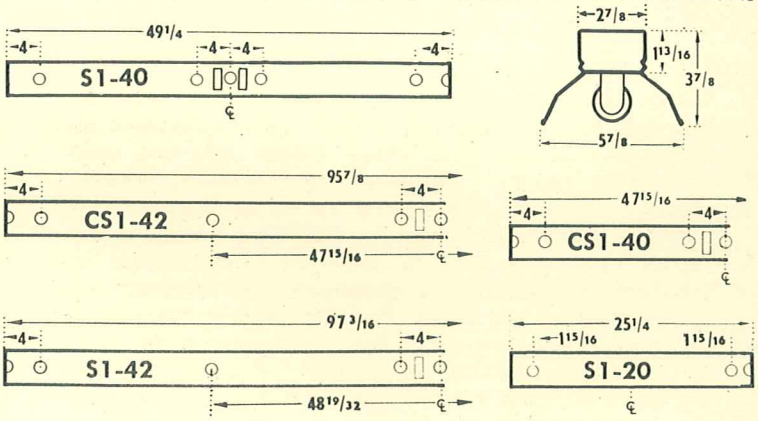
Outstanding in appearance, ease of assembly, installation and operating efficiency, Smithcraft Fluorescent Strip Lighting is ideal for stores, markets, factories and similar installations. Exclusive Smithcraft Slide-Away Lampholders make wiring connections with regular size BX simple and easy, drastically reducing installation time and costs. All wiring is concealed within the channel by the housing cover. There are sufficient knockouts for various types of mounting as well as for a convenience outlet or for the Levolier pull-switch. "Back-to-back" spacing for lampholders minimizes dark areas in continuous runs.

For the start of a continuous run, use a single 20 or 40-watt strip or an 8′ section of the start-of-the-run (S-series). To complete a run of units, use the required number of fill-in units (CS-series) which also end the run. If reflectors are desired, see schedule of reflectors and order as needed. Packed four units to a carton.

(S1-20L, S1-40L, S1-42H and CS1-42H incorporate U.L.-approved, non-ETL ballasts, fully guaranteed by Smithcraft).

FULL REFLECTORS			ASYMMETRIC REFLECTORS		
Catalog Number	(For use with)	Shipping Weight	Catalog Number	(For use with)	Shipping Weight
R1-20	1 20-watt	2	**A1-20**	1 20-watt	2
R1-40	1 40-watt	4	**A1-40**	1 40-watt	3

SPACING OF 11/16 KNOCKOUTS



END SECTION DIMENSIONS

SMITHCRAFT STRIP LIGHTING

FOR BI-PIN LAMPS — with FS-4 STARTERS
INDIVIDUAL MOUNTING or for start of a Continuous Row
Includes End Caps

Catalog No.	No. and Type of Lamps	Ship. Wt.
S1-20L	1 F20T12 (L.P.F. Ballast)	4
S1-40L	1 F40T12 (L.P.F. Ballast)	8
S1-20H	1 F20T12 (H.P.F. Ballast)	5
S1-40H	1 F40T12 (H.P.F. Ballast)	9
EIGHT-FOOT INDIVIDUAL MOUNTING or for start of a continuous row. Includes End Caps.		
S1-42H (8′ Housing)	2 F40T12 (H.P.F. Ballast)	14
CONTINUOUS MOUNTING No End Caps — Pair of Housing Couplings		
CS1-40H	1 F40T12 (H.P.F. Ballast)	9
CS1-42H	2 F40T12 (H.P.F. Ballast)	14

40-watt Bi-Pin Strip units are available with Rapid-Start ballasts. When ordering Rapid-Start, add the letters "RS" to catalog number.

PACKED FOUR UNITS TO A CARTON

EXCLUSIVE FEATURES

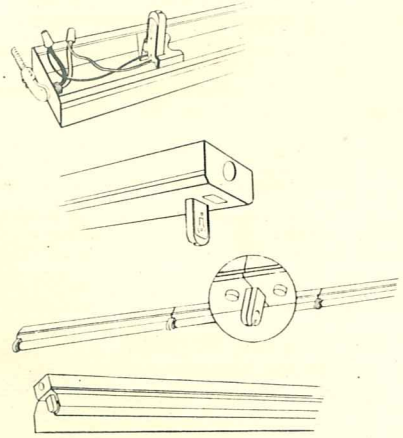
Patent No. 2,559,639

Exclusive Smithcraft patented Slide-Away Lampholders simplify wiring and speed installation. Slide lampholders forward . . . plenty of space to work in . . . slide lampholders back into place. Makes conduit and regular size BX connections simple and easy . . no need for miniature BX.

Knockout on cover makes it easy to install a convenience outlet before or after unit is installed. Outlet fits snugly in space provided.

Back-to-back spacing of lampholders minimizes unsightly dark areas between units in continuous row mounting.

Available with full or asymmetric reflectors for downlighting.

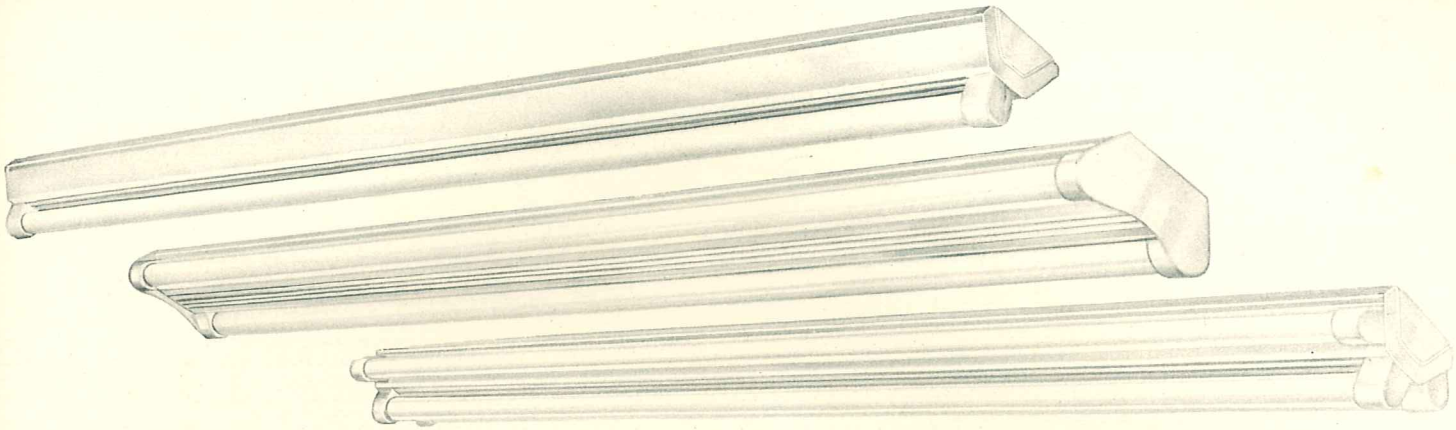


Smithcraft

LIGHTING DIVISION

CHELSEA 50, MASSACHUSETTS

SLS LINEAR by Smithcraft



Linear units are open-type Slimline fixtures available for one, two or three T-12 Slimline Lamps. Excellent for store applications of all types, Linear units are engineered for maximum efficiency and outstanding appearance. Decorative ridges along the entire length of the housing eliminate dark spots or shadows. Shallow in design, Linear units may be mounted either surface or pendant, individually or in continuous rows. Maintenance and installation are simple, fast and efficient. These units are rugged and heavy duty fixtures constructed for years of trouble-free service. For economy in continuous row installations, the SLS 1-192 and SLS 1-144 are available. These units incorporate two regular 96" or 72" fixtures with a two-lamp ETL-certified ballast contained in one of the fixtures, and the other fixture wired with leads brought out for connections to the ballast during installation.

LINEAR FOR SLIMLINE LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
SLS1-96	1 F96T12	35	SLS2-96	2 F96T12	37
SLS1-192	2 F96T12	53	SLS2-72	2 F72T12	27
SLS1-72	1 F72T12	26	SLS2-48	2 F48T12	25
SLS1-144	2 F72T12	34	SLS3-96	3 F96T12	46
SLS1-48	1 F48T12	24	SLS3-72	3 F72T12	37
			SLS3-48	3 F48T12	28

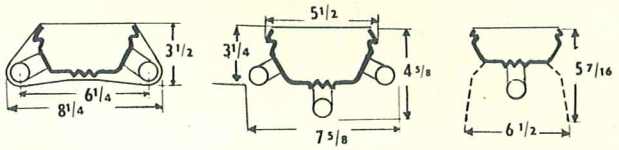
Packed 2 complete units to a carton including fittings for normal continuous row mounting.

REFLECTORS FOR SLSI-series

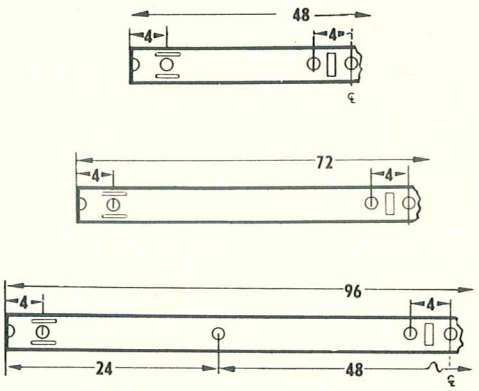
For the LINEAR one-light series, full or asymmetric reflectors are available. The reflectors, finished in white supercoat baked enamel, are easily installed.

Catalog No.	For Use With
R1-96-SLS Full reflector	96" one-light Linear
R1-72-SLS Full reflector	72" one-light Linear
R1-48-SLS Full reflector	48" one-light Linear
A1-96-SLS Asymmetric reflector	96" one-light Linear
A1-72-SLS Asymmetric reflector	72" one-light Linear
A1-48-SLS Asymmetric reflector	48" one-light Linear

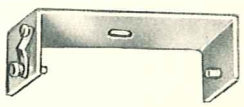
END SECTION DIMENSIONS



SPACING OF 11/16 KNOCKOUTS



For Simplified Mounting (2 per fixture) CC501 — Ceiling Clamp



Smithcraft

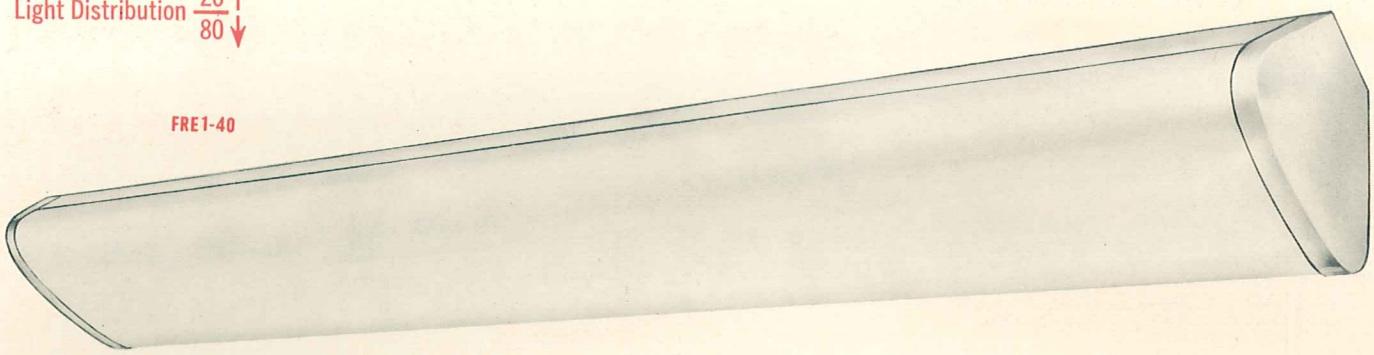
LIGHTING DIVISION

CHELSEA 50. MASSACHUSETTS

PRINTED IN U.S.A.
FORM NO. 560C

Light Distribution 20↑ 80↓

FRE1-40



FREEWAY is a modern, plastic-enclosed luminaire for lighting corridors, pedestrian tunnels and other long narrow traffic areas, as well as wash rooms, etc. Because of its comfortable low-brightness, FREEWAY transforms these areas into pleasantly-lighted interiors. An ideal unit for airports, rail and bus terminals, office buildings, schools, hospitals, libraries and other institutions.

FRE

Smithcraft

FREEWAY

FOR ONE RAPID START BI-PIN LAMP

LIGHTING CHARACTERISTICS — Shielding is provided by 4-foot extruded polystyrene sections with high impact strength, break resistance and light stability after prolonged use. Excellent visual comfort is provided.

MOUNTING — Installation of the FREEWAY is extremely simple. Knockouts in end caps are provided for continuous wiring. End caps fasten together to assure straight continuous rows. The unit may be pendant mounted with the SS102 or SS105 Stem Sets.

MAINTENANCE — Because the FREEWAY is a completely enclosed unit, maintenance is reduced to a minimum. When necessary, the plastic shielding snaps in and out of place. The Smithcraft Bonderite and White Baked Enamel Finish on the housing adheres firmly, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, effectively resists abrasions, and reflects a maximum percentage of light.

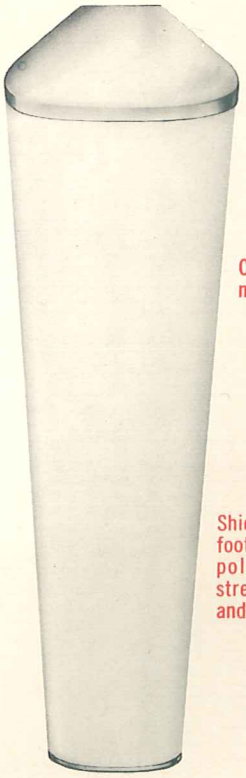
CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS		
Catalog No.	No. and Type of Lamps	Ship. Wt.
FRE1-40	1 F40T12RS	16
FRE1-42	2 F40T12RS (8′ Housing)	26
Packed one complete unit to a carton.		

CANOPY AND STEM SETS

Catalog No.	Description
SS102	Canopy and Stem Set — canopy, single 15″ steel stem (O.D. ½″), heavy canopy bar, fittings. Stem is adjustable after installation.
SS105	Canopy and Double Stem Set — canopy, two 30″ steel stems (O.D. 11/16″-8″ on centers). Plate insert with screws. Size of canopy 13½″ x 6¼″.

Ideal for corridor-lighting in airports, bus and rail terminals, office buildings etc.



Completely enclosed to minimize maintenance.

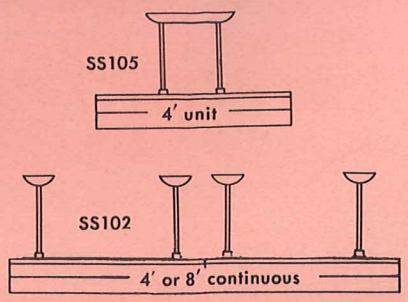
Plastic shielding snaps easily in and out of place.

Shielding is provided by 4-foot sections of extruded polystyrene high impact strength, break resistance, and light stability.

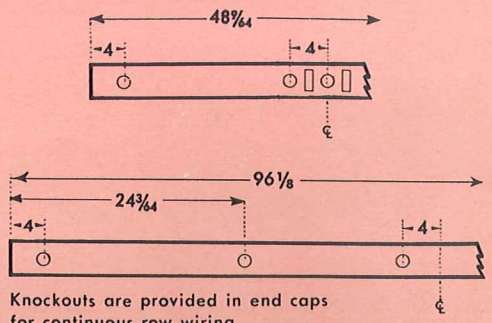
Knockouts in end caps for continuous wiring.

FREEWAY

SUGGESTED PENDANT MOUNTING

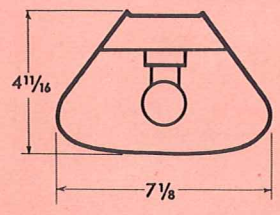


SPACING OF KNOCKOUTS
(11/16" Knockouts)

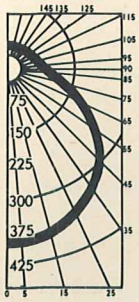


Knockouts are provided in end caps for continuous row wiring.

END SECTION DIMENSIONS



FRE1-40



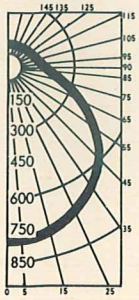
COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50 %	30 %	10 %	80% Ceiling 10% Floor 50 %	30 %	10 %	50% Ceiling 30% Floor 50 %	30 %	10 %	50% Ceiling 10% Floor 50 %	30 %	10 %
J	0.6		.24	.19	.16	.24	.19	.16	.22	.18	.15	.21	.18	.15
I	0.8		.32	.26	.22	.30	.25	.22	.29	.24	.21	.28	.24	.21
H	1.0		.37	.31	.27	.35	.30	.27	.34	.29	.25	.32	.28	.25
G	1.25		.43	.37	.32	.40	.35	.31	.38	.34	.30	.37	.33	.30
F	1.5		.47	.41	.36	.44	.39	.35	.42	.37	.34	.40	.36	.33
E	2.0		.53	.47	.43	.48	.44	.40	.46	.42	.39	.43	.40	.38
D	2.5		.57	.51	.47	.51	.47	.44	.49	.45	.42	.46	.43	.41
C	3.0		.60	.55	.51	.54	.50	.47	.52	.48	.45	.48	.45	.43
B	4.0		.64	.59	.55	.56	.53	.50	.55	.53	.49	.51	.48	.46
A	5.0		.66	.63	.60	.58	.56	.53	.57	.55	.52	.52	.50	.49

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	1.63	1.55
10°	1.61	1.55
20°	1.55	1.52
30°	1.55	1.49
40°	1.53	1.44
45°	1.48	1.42
50°	1.45	1.41
55°	1.41	1.38
60°	1.36	1.30
65°	1.31	1.26
70°	1.23	1.18
80°	1.23	.91
85°	1.22	.58
90°	1.19	0

FRE1-42



COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50 %	30 %	10 %	80% Ceiling 10% Floor 50 %	30 %	10 %	50% Ceiling 30% Floor 50 %	30 %	10 %	50% Ceiling 10% Floor 50 %	30 %	10 %
J	0.6		.24	.19	.16	.24	.19	.16	.22	.18	.15	.21	.18	.15
I	0.8		.32	.26	.22	.30	.25	.22	.29	.24	.21	.28	.24	.21
H	1.0		.37	.31	.27	.35	.30	.27	.34	.29	.25	.32	.28	.25
G	1.25		.43	.37	.32	.40	.35	.31	.38	.34	.30	.37	.33	.30
F	1.5		.47	.41	.36	.44	.39	.35	.42	.37	.34	.40	.36	.33
E	2.0		.53	.47	.43	.48	.44	.40	.46	.42	.39	.43	.40	.38
D	2.5		.57	.51	.47	.51	.47	.44	.49	.45	.42	.46	.43	.41
C	3.0		.60	.55	.51	.54	.50	.47	.52	.48	.45	.48	.45	.43
B	4.0		.64	.59	.55	.56	.53	.50	.55	.53	.49	.51	.48	.46
A	5.0		.66	.63	.60	.58	.56	.53	.57	.55	.52	.52	.50	.49

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	1.63	1.55
10°	1.61	1.55
20°	1.55	1.52
30°	1.55	1.49
40°	1.53	1.44
45°	1.48	1.42
50°	1.45	1.41
55°	1.41	1.38
60°	1.36	1.30
65°	1.31	1.26
70°	1.23	1.18
80°	1.23	.91
85°	1.22	.58
90°	1.19	0

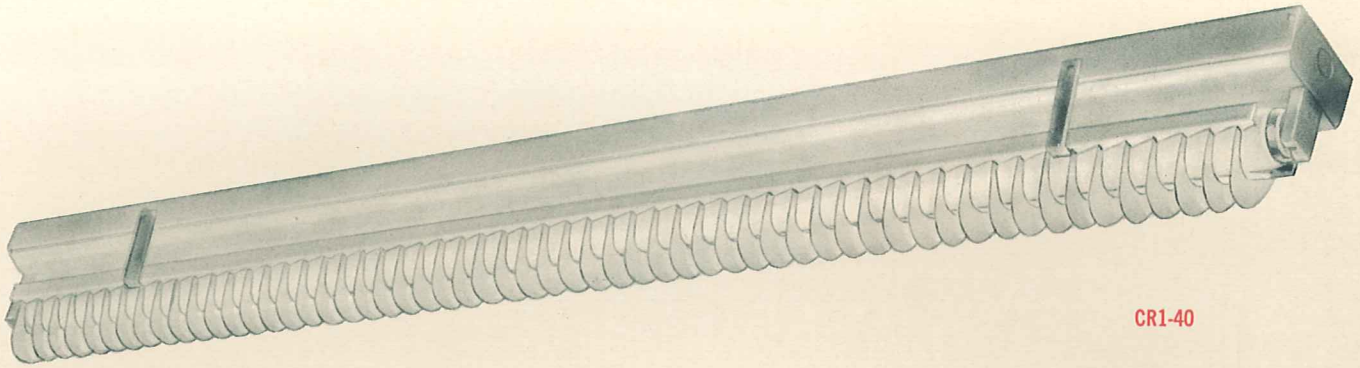
SPECIFICATIONS

SPECIFICATIONS: Fixture shall be general diffuse, totally enclosed, completely wired, ready for installation. **Housing** shall be one-piece of 20-gauge steel, shall enclose the ballast, and shall form a wireway for continuous mounting. **Plastic Shielding** shall be formed of extruded polystyrene in 4-foot sections with high impact strength, break resistance and light stability after prolonged use, and shall be easily removable by snapping in and out of place. **Ballasts** shall be CBM-certified, H.P.F., Rapid Start. **Finish** shall be High Temperature Baked Enamel, with reflectivity of not less than 85%, applied on bonderized surfaces. Complete unit shall be U.L.-approved, and bear the label of I.B.E.W., A.F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B-370
Printed in U.S.A.

7/57 -RL



CR1-40

CORRIDOR-LITER is a neat, trim louvered fluorescent lighting unit, ideal for corridors and long narrow areas. The unit is excellent for use in airports, teminals, office buildings, schools, hospitals, libraries (for stack lighting) and similar locations where economical shielded corridor illumination is required.

CR Smithcraft CORRIDOR-LITER

for RAPID-START BI-PIN LAMPS

LIGHTING CHARACTERISTICS — The aluminum one-piece louver, finished in white baked enamel, provides a longitudinal shielding of 45°. Back-to-back lampholder spacing eliminates dark areas in continuous row installations. As a result, the lighting effect is both pleasing to the eye and efficient.

MOUNTING — The unit is designed for individual mounting or in continuous rows with sufficient knockouts provided to simplify installation. Smithcraft's patented Slide-away lampholder eliminates the difficulty of making wiring connections at the lampholder. A convenience outlet for Levolier Pull Switch is provided.

MAINTENANCE — The one-piece aluminum louvers have no soldered connections to break or pull loose, and no horizontal surfaces to collect dust and dirt. Maintenance is therefore minimized. The louvers snap into clips suspended from the housing, swing open from either side, and can be completely removed at will. Smithcraft's Bonderite and Baked Enamel finish adheres firmly to the metal, stays white indefinitely without yellowing, offers positive resistance to chemicals and heat, resists abrasions, and reflects a maximum percentage of light.

CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS,

INDIVIDUAL MOUNTING — or for start of a Continuous Row — includes End Caps.

Catalog No.	No. and Type of Lamps	Ship. Wt.
CR1-40	1 F40T12RS	10
CR1-42	2 F40T12RS (8′ Housing)	15

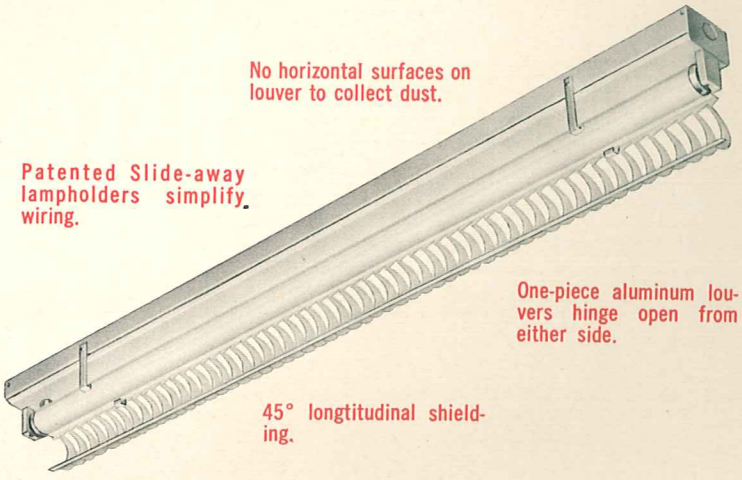
CONTINUOUS MOUNTING
Includes connectors and end caps to start and finish off rows as required.

CCR1-40	1 F40T12RS	10
CCR1-42	2 F40T12RS (8′ Housing)	15

Packed 4 complete units to a carton.

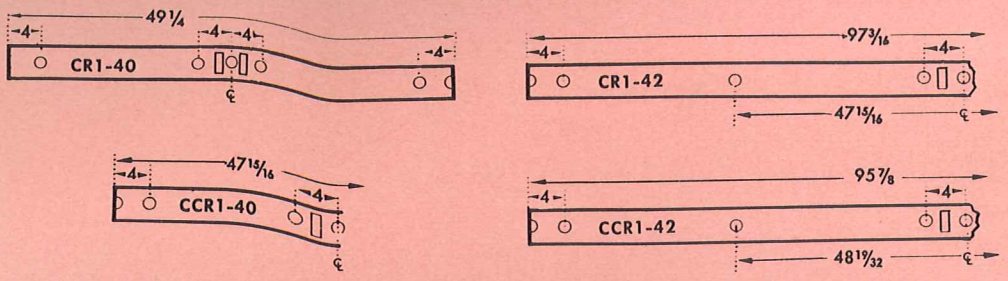
ORDERING INFORMATION

For individual mounting order types headed "INDIVIDUAL MOUNTING", and the same series can be used for the start of a run. To complete a continuous run, use the required number of fill-in or ending fixtures under types headed "CONTINUOUS MOUNTING-CCR-series". The CR1-42, CCR1-42, CR1-42/RS and CCR1-42/RS incorporate UL-approved, CBM ballasts.

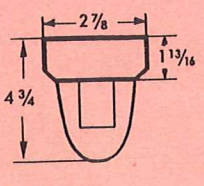


CORRIDOR-LITER

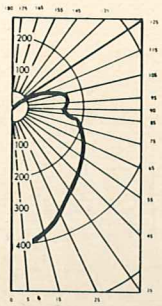
SPACING OF KNOCKOUTS



END SECTION DIMENSIONS



CR1-40



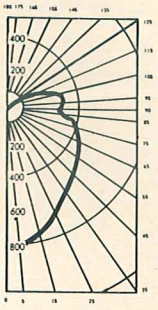
COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50 %	30 %	10 %	80% Ceiling 10% Floor 50 %	30 %	10 %	50% Ceiling 30% Floor 50 %	30 %	10 %	50% Ceiling 10% Floor 50 %	30 %	10 %
J	0.6		.26	.20	.16	.26	.20	.16	.23	.18	.14	.23	.18	.14
I	0.8		.34	.27	.22	.33	.27	.22	.30	.25	.20	.29	.24	.20
H	1.0		.41	.33	.28	.39	.32	.27	.35	.30	.25	.34	.29	.25
G	1.25		.47	.39	.33	.44	.38	.33	.41	.35	.31	.39	.34	.30
F	1.5		.52	.45	.39	.49	.42	.37	.45	.39	.35	.42	.37	.34
E	2.0		.60	.52	.46	.55	.49	.44	.50	.45	.41	.47	.43	.39
D	2.5		.64	.58	.52	.59	.53	.48	.54	.49	.45	.51	.47	.43
C	3.0		.69	.63	.57	.62	.57	.53	.58	.53	.50	.54	.50	.47
B	4.0		.73	.68	.63	.65	.61	.57	.61	.57	.54	.57	.54	.51
A	5.0		.78	.73	.68	.68	.65	.61	.65	.61	.58	.59	.57	.54

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	4.7	4.7
10°	4.7	4.3
20°	4.7	3.5
30°	4.7	2.7
40°	4.7	1.6
45°	4.7	1.2
50°	4.7	1.0
55°	4.7	0.9
60°	4.7	0.8
65°	4.7	0.7
70°	4.6	0.6
80°	4.5	0.6
85°	3.8	0.2
90°	3.6	0.0

CR1-42



COEFFICIENTS OF UTILIZATION

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50 %	30 %	10 %	80% Ceiling 10% Floor 50 %	30 %	10 %	50% Ceiling 30% Floor 50 %	30 %	10 %	50% Ceiling 10% Floor 50 %	30 %	10 %
J	0.6		.26	.20	.16	.26	.20	.16	.23	.18	.14	.23	.18	.14
I	0.8		.34	.27	.22	.33	.27	.22	.30	.25	.20	.29	.24	.20
H	1.0		.41	.33	.28	.39	.32	.27	.35	.30	.25	.34	.29	.25
G	1.25		.47	.39	.33	.44	.38	.33	.41	.35	.31	.39	.34	.30
F	1.5		.52	.45	.39	.49	.42	.37	.45	.39	.35	.42	.37	.34
E	2.0		.60	.52	.46	.55	.49	.44	.50	.45	.41	.47	.43	.39
D	2.5		.64	.58	.52	.59	.53	.48	.54	.49	.45	.51	.47	.43
C	3.0		.69	.63	.57	.62	.57	.53	.58	.53	.50	.54	.50	.47
B	4.0		.73	.68	.63	.65	.61	.57	.61	.57	.54	.57	.54	.51
A	5.0		.78	.73	.68	.68	.65	.61	.65	.61	.58	.59	.57	.54

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	4.7	4.7
10°	4.7	4.3
20°	4.7	3.5
30°	4.7	2.7
40°	4.7	1.6
45°	4.7	1.2
50°	4.7	1.0
55°	4.7	0.9
60°	4.7	0.8
65°	4.7	0.7
70°	4.6	0.6
80°	4.5	0.6
85°	3.8	0.2
90°	3.6	0.0

SPECIFICATIONS

SPECIFICATIONS: Fixture shall be a louvered unit providing 45° lengthwise shielding, completely wired ready for installation. **Housing** shall be one piece formed channel of 20-gauge steel with cover plate of 22-gauge steel. Lampholders are mounted on slidable bridge for ease of installation. Knockouts are provided to speed installation procedure. **Louvers** shall provide 45° longitudinal shielding, shall be one piece lightweight aluminum finished in white baked enamel. There shall be no soldered connections and no horizontal surfaces. Louvers shall be held by clips to the housing . . . snap into clips without tools, bolts or screws. **Ballasts** shall be high-power factor Rapid-Start, CBM-certified. **Finish** steel surfaces shall be finished in Bonderite and High Temperature Baked Enamel with a reflectance factor of more than 85%. The fixture shall be UL-approved and bear the seal of the I.B.E.W. - A.F. of L.

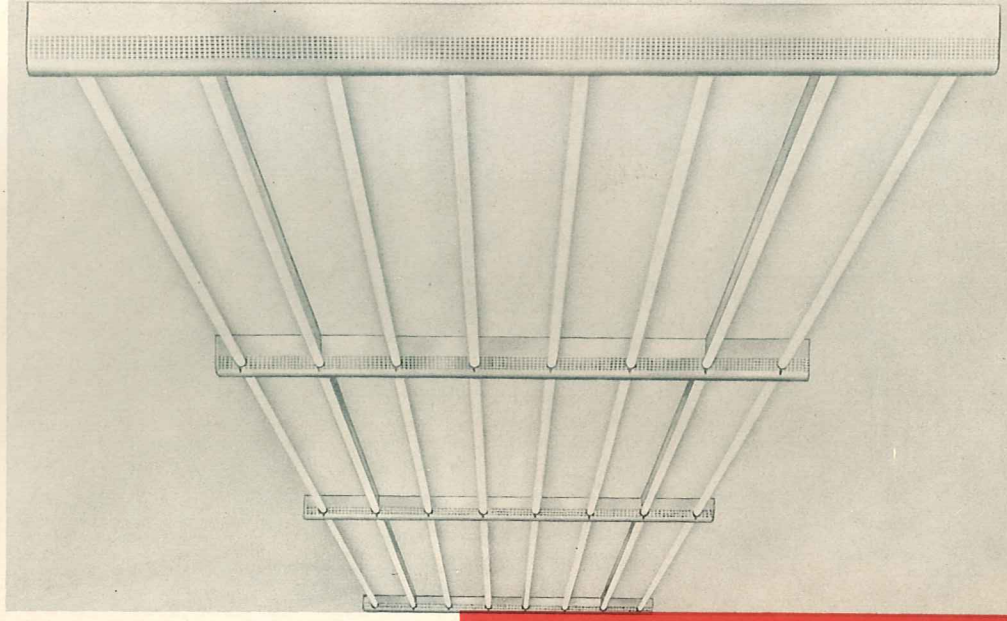
Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No B-380
Printed in U.S.A.

5-57-RL

A store traffic-builder . . . bright and attractive outside, high level and uniform illumination inside

Fluorescent lighting system for Slimline Lamps



SR Smithcraft SALESLITER

For SLIMLINE LAMPS

SALESLITER, with its high-level illumination, draws heavy store traffic from street and sidewalk, while producing evenly-distributed, uniform lighting inside the store. Available for use with 4′ or 8′ Slimline Lamps, in four, six and eight-foot widths. **LIGHTING CHARACTERISTICS** . . . SALESLITER, when installed in continuous rows provides long lines of eye-catching, sales-producing light. Back-to-back lampholders eliminate dark areas between lamps . . . spacers which position housings correctly are inconspicuous and tend to disappear in the overall effect. **MOUNTING** . . . SALESLITER is easy to install, either surface or pendant mounted, individually or in continuous rows. For surface mounting, SALESLITER housings are mounted directly to the ceiling with toggle bolts . . . ¼″ adjustment is possible in all directions through use of floating washers in the top of the housings, making installation much simpler and faster. Single Stem Set (SS102) may be used for pendant mounting. Lamps may be spaced on 12″ centers or on 24″ centers. **MAINTENANCE** . . . Because of SALESLITER'S simplicity of design, it is easy to clean and maintain. Lamps are easily replaced, and electrical components may be serviced with a minimum of disturbance of the unit itself. Lampholders are Slimline telescopic safety type. The unit is finished in Matte White. The Smithcraft Bonderite and Baked Enamel Finish on the metal parts adheres firmly, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, effectively resists abrasions, and reflects a maximum percentage of light.

HOW TO ORDER THE SMITHCRAFT SALESLITER

The first number of the catalog designation for SALESLITER represents the dimension in feet of the unit in the direction of the lamps. The second number is the dimension in feet of the unit crosswise of the lamps. The third number is the lamp spacing in inches. A *"Basic Unit"* includes all parts necessary to complete an installation of the size listed and is used either for individual installations or as the start and finish of a continuous row. "Extension" Units are used where an installation is more than one lamp in length as intermediate units between basic housings.

Be sure to specify BASIC by adding letter "B" after Catalog Number or EXTENSION by adding "EXT". For irregularly-shaped areas, a sketch should be supplied.

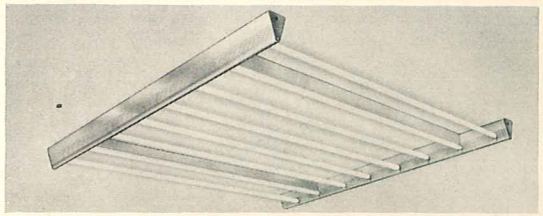
EXAMPLES

For an area 28′ x 8′ with lamps on 12″ centers (SR28 x 8-12″)	1 SR8 x 8-12″ — B-Basic 2 SR8 x 8-12″ — EXT-Extension 1 SR4 x 8-12″ — EXT-Extension
For an L-Shaped area 24′ x 8′ and 8′ x 16′ with lamps on 12″ centers (SR24 x 8-12″ and SR8 x 16-12″)	3 SR8 x 8-12″ — B-Basic 2 SR8 x 8-12″ — EXT-Extension (See diagram on other side)

CATALOG INFORMATION

FOR SLIMLINE LAMPS (430-MA)*					BASIC UNITS	EXTENSION UNITS
Catalog No.	No. and Type of Lamps	Length of Unit Direction of Lamps	Width of Unit	Lamp Spacing	Ship. Wt.	Ship. Wt.
SR8 x 8-12″	8 F96T12	8′	8′	12″	130	88
SR8 x 8-24″	4 F96T12	8′	8′	24″	105	62
SR8 x 6-12″	6 F96T12	8′	6′	12″	111	69
SR8 x 6-24″	3 F96T12	8′	6′	24″	94	55
SR8 x 4-12″	4 F96T12	8′	4′	12″	70	50
SR8 x 4-24″	2 F96T12	8′	4′	24″	56	37
SR4 x 8-12″	8 F48T12	4′	8′	12″	106	66
SR4 x 8-24″	4 F48T12	4′	8′	24″	87	48
SR4 x 6-12″	6 F48T12	4′	6′	12″	93	51
SR4 x 6-24″	3 F48T12	4′	6′	24″	78	41
SR4 x 4-12″	4 F48T12	4′	4′	12″	58	36
SR4 x 4-24″	2 F48T12	4′	4′	24″	49	27

*Series Ballasts Only



Extremely adaptable to future expansion or alterations . . . may be extended in either direction any time after installation.

Spacers, which position housings correctly apart and contain wiring, are inconspicuous.

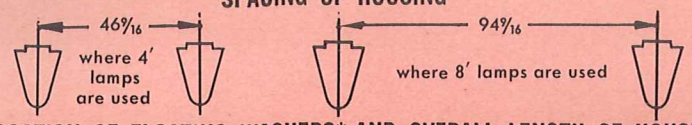
Clean, simple lines harmonize with any decorative scheme.

Easy to clean and maintain.

Lampholders are back-to-back in continuous rows . . . dark areas between lamps are eliminated.

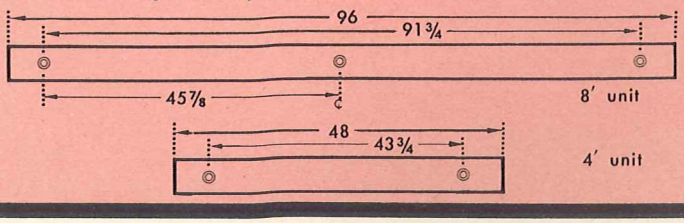
SALESLITER

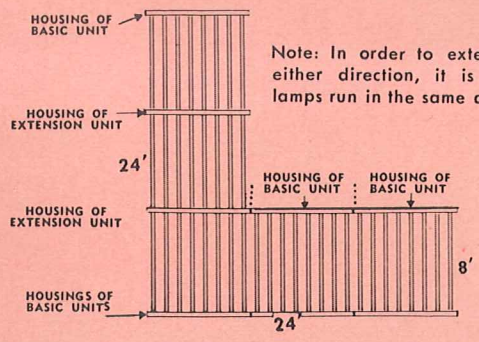
SPACING OF HOUSING



LOCATION OF FLOATING WASHERS* AND OVERALL LENGTH OF HOUSINGS

*floating washers permit 1/4" adjustment in all directions.



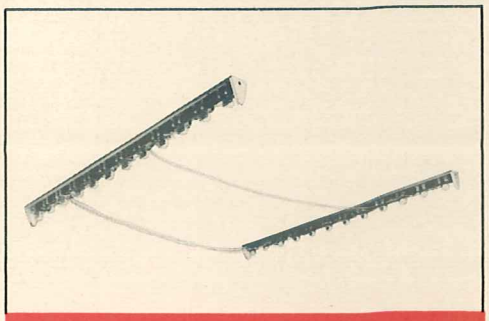


Note: In order to extend any unit in either direction, it is necessary that lamps run in the same direction.

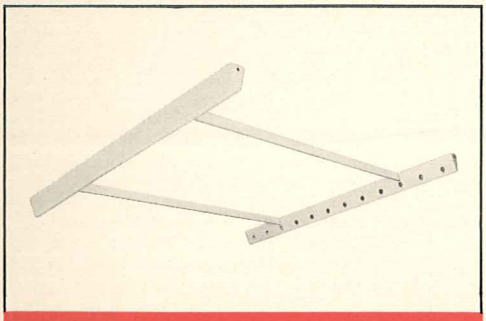
SALES-LITER
COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.27	.21	.17	.25	.18	.15	.23	.18	.15	.21	.17	.14
I	0.8		.35	.28	.24	.31	.25	.21	.30	.25	.21	.27	.23	.19
H	1.0		.42	.35	.30	.38	.31	.26	.37	.30	.26	.32	.28	.24
G	1.25		.50	.42	.37	.41	.37	.32	.42	.36	.31	.36	.31	.28
F	1.5		.56	.48	.41	.50	.43	.37	.50	.43	.37	.41	.35	.31
E	2.0		.63	.55	.49	.58	.53	.45	.54	.48	.44	.47	.42	.36
D	2.5		.69	.61	.53	.64	.57	.51	.60	.54	.49	.51	.46	.42
C	3.0		.73	.66	.60	.69	.61	.56	.62	.60	.52	.54	.49	.45
B	4.0		.79	.75	.67	.74	.69	.63	.66	.62	.58	.57	.53	.50
A	5.0		.84	.79	.74	.77	.74	.70	.70	.66	.62	.60	.57	.54

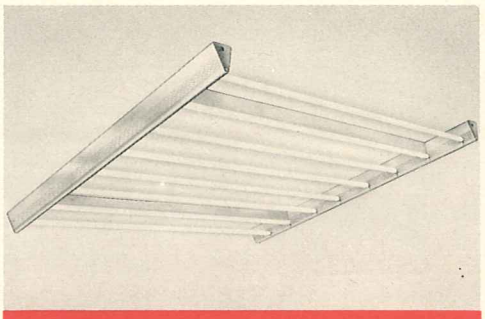
EASILY INSTALLED!



Housings are mounted on ceiling or on stems. Simple electrical connections are made.



Spacers are installed. Spacers contain wiring and position housings correctly apart. Spacers attach to socket bridge with four screws.



Housing shells are installed; unit is ready for lamp.

SPECIFICATIONS

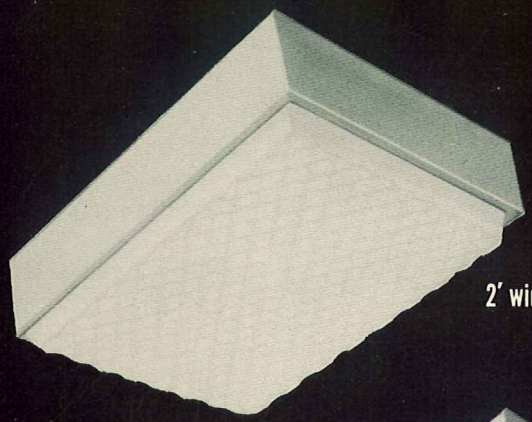
SPECIFICATIONS: Fixture shall be an open-type fluorescent lighting system for Slimline Lamps for mounting individually or in continuous rows and which may be extended in both directions. **Housing** of 18-gauge steel shall contain all electrical components including lampholders, ballasts, etc., and shall be completely wired ready for connection to opposite housing through spacer tubes. **Housing Shell** shall be formed of 22-gauge steel and have a band of perforations to minimize "hot spots", shall snap over housing and be secured through screws to end caps. Lampholders shall be back to back and recessed within the housing shell. **Spacers** shall space housing exactly and contain fixture circuit wires. **Ballasts** shall be CBM-certified Slimline Series High Power Type. **Finish** shall be Matte White on bonderized surfaces. Complete unit shall be UL-approved and bear the label of I.B.E.W., A.F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

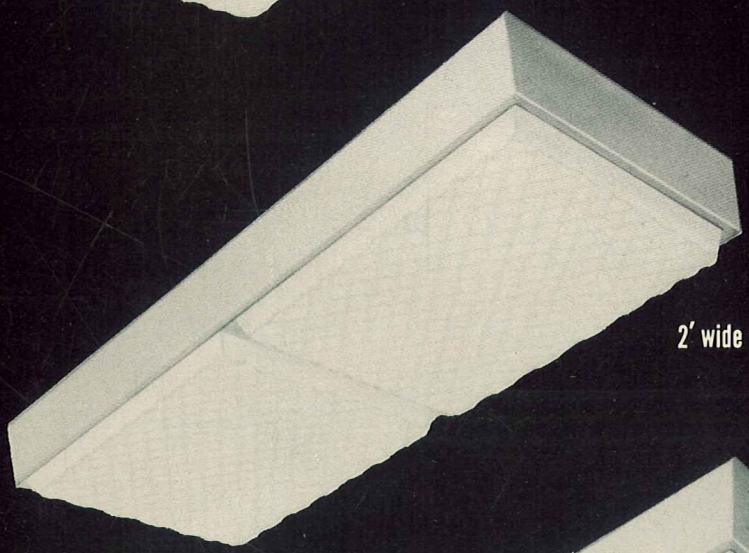
Form No. B-390
Printed in U.S.A.

5-57-RL

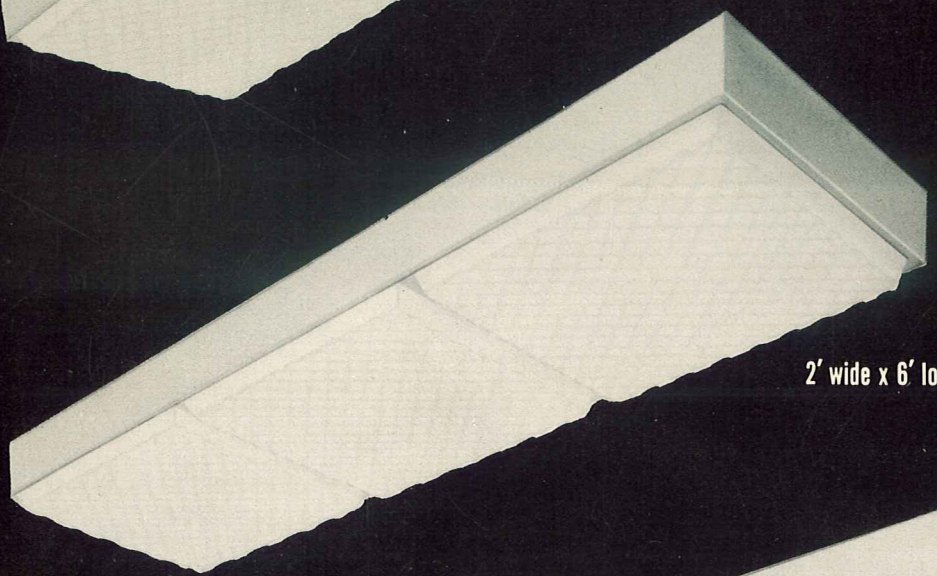
AREA/LITER



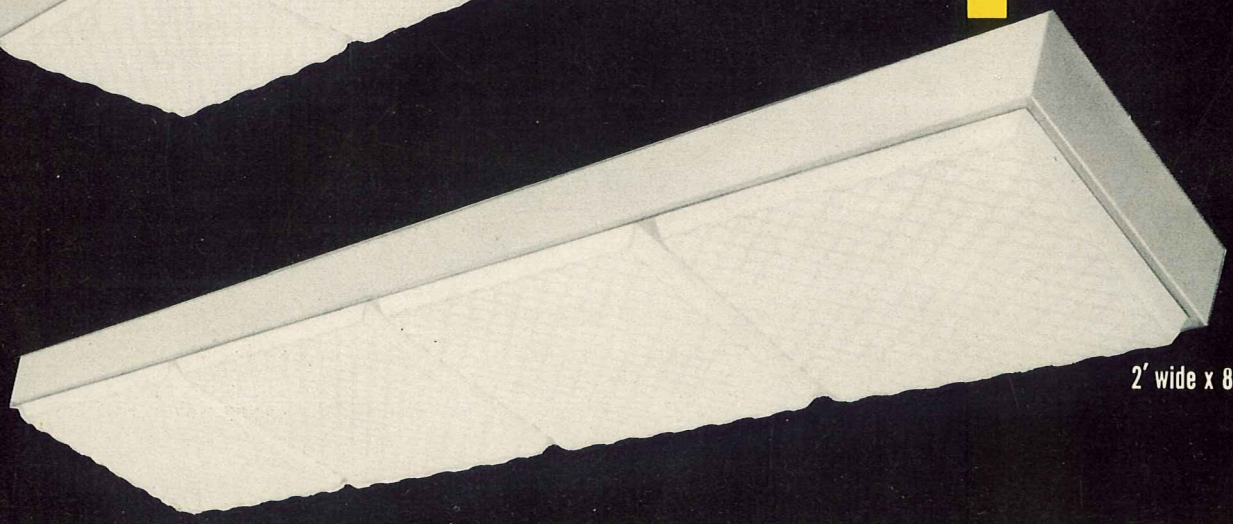
2′ wide x 2′ long



2′ wide x 4′ long



2′ wide x 6′ long



2′ wide x 8′ long

lots of LOW-BRIGHT comfortable light for...

offices
restaurants
control rooms
institutions
corridors
lobbies
stores
banks
insurance companies
drafting rooms
hospitals
hotels

AREA/LITER

AREA/LITER

The AREA/LITER is a modern, good-looking luminaire. Clean, shallow and unobtrusive, it fits snugly against the ceiling providing a softly-glowing luminous source, uniformly illuminated and free from shadows or light leaks. Because of its trimness and simplicity of form, the AREA/LITER harmonizes aesthetically with most types of architecture and interior decoration. And because it may be installed in rows, multiple rows, patterns or areas, it lends itself to an almost endless range of design possibilities.

AVAILABLE FOR MANY REQUIREMENTS

The AREA/LITER is 2′ wide and available in 2′ lengths for Trigger-Start, in 4′ lengths for Rapid-Start or Slimline Lamps and in 6′ and 8′ lengths for Slimline Lamps. All AREA/LITERS are available for two lamps or for four lamps.

LIGHTING CHARACTERISTICS

AREA/LITER produces an abundance of low-bright comfortable lighting. More than twice the width of the conventional fixture, light from each of the lamps is evenly distributed over more than twice the usual fixure area resulting in lower brightness and greater visual comfort. The textured finish of the plastic panels also diffuses the light and reduces surface brightness. Diffusing panels are mattefinished, so no reflections from windows or surroundings are picked up.

INSTALLATION

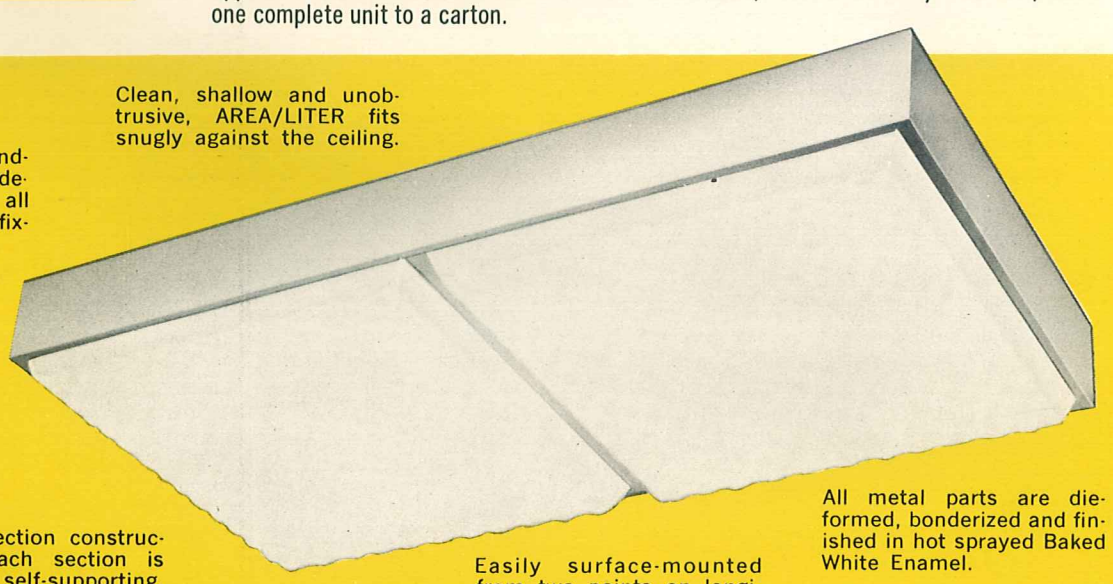
AREA/LITER is simply and easily surface mounted either individually or joined to form luminous areas, patterns or rows. The unit is mounted flat against the ceiling through knockouts. In continuous mounting, fixtures are bolted end-to-end and a chase nipple provides a continuous wireway. When mounted side-to-side or end-to-side, fixtures are bolted together and for this type mounting, cross-wireway channels from center channel to center channel connecting through the side of the fixtures are furnished.

MAINTENANCE

Because the AREA/LITER is totally enclosed, it does not readily collect dirt or dust. Plastic panels have been factory-treated with a destaticizing coating and require a minimum of cleaning. If cleaning is required, however, panels are easily removed by lowering hinged center crossbar to pen position and lifting panels out. Panels are cleaned by dipping in any commercial detergent, draining and allowing to dry. For re-lamping, panels are lifted out.

CONSTRUCTION

Metal parts are die-formed of cold rolled steel (20 gauge minimum) bonderized and finished in hot sprayed baked white enamel with a minimum reflectance of 85%. Rivets are used to join all main structural parts. Textured featherlite panels are formed of Vinyl Plastic and metal bound on all four edges. All electrical components are ETL-certified and UL-approved. The fixture bears the label of the I.B.E.W., A.F. of L. AREA/LITER is packed one complete unit to a carton.



Clean, shallow and unobtrusive, AREA/LITER fits snugly against the ceiling.

Fixtures easily joined end-to-end, end-to-side, or side-to-side with joiners for all variations packed with fixture.

A Softly-glowing luminous source — uniformly illuminated.

Totally enclosed — easy to maintain.

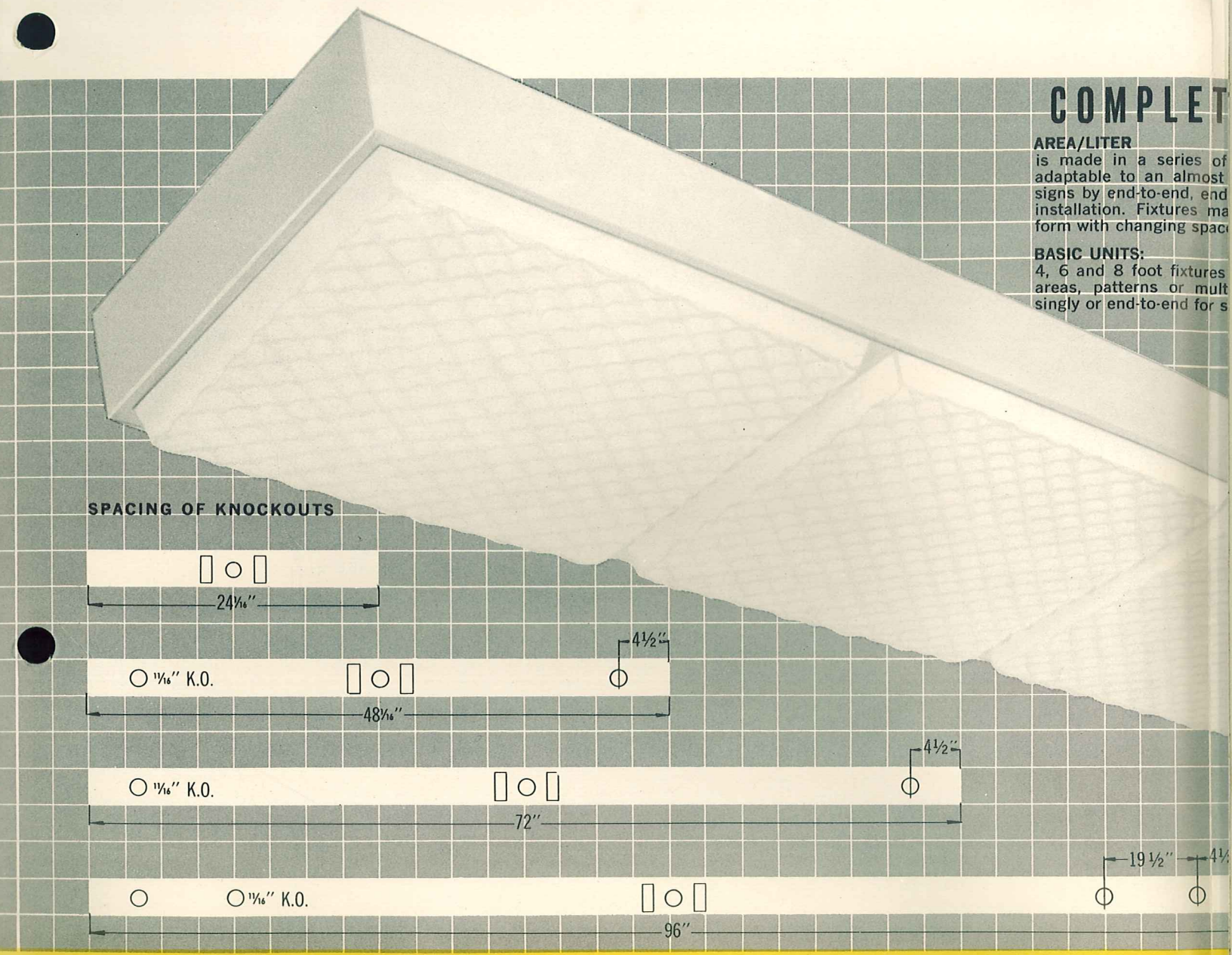
Sturdy 3-section construction — each section is rigid and self-supporting. Fixture holds shape.

Easily surface-mounted from two points on longitudinal axis.

All metal parts are die-formed, bonderized and finished in hot sprayed Baked White Enamel.

AREA/LITER — LOTS OF LOW-BRIGHT COMFORTABLE LIGHTING

LOTS OF LOW-BRIGHT COM



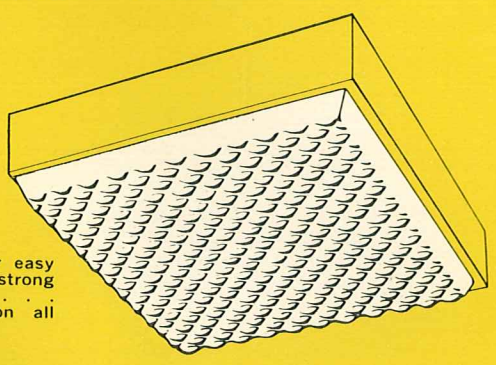
COMPLET

AREA/LITER
is made in a series of
adaptable to an almost
signs by end-to-end, end
installation. Fixtures ma
form with changing spac

BASIC UNITS:
4, 6 and 8 foot fixtures
areas, patterns or mult
singly or end-to-end for s

SPACING OF KNOCKOUTS

5 REASONS WHY AREA/LITER'S PLASTIC DIFFUSERS ARE AN EXCELLENT SHIELDING MEDIUM



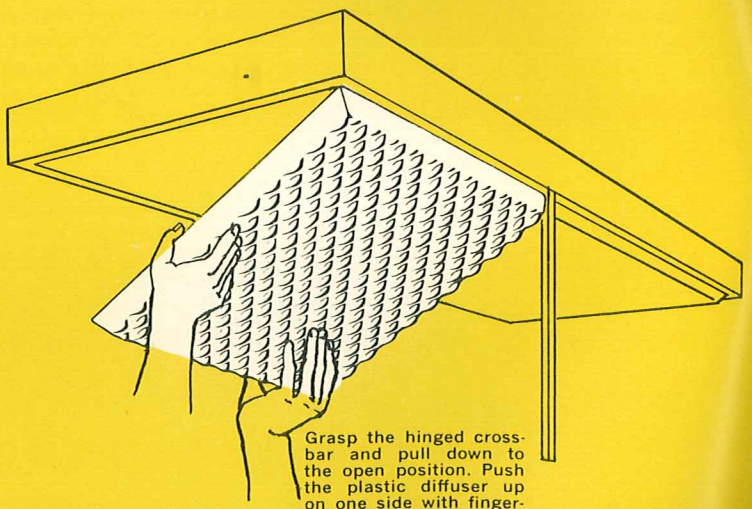
Feather-lite for easy handling, yet strong and durable . . . metal-bound on all four edges.

Diffusers stay clean longer . . . factory-treated with destaticizing coating. Easily cleaned when necessary by dipping in liquid detergent and allowing to dry.

Diffusers are textured . . . very low in surface brightness. Matte-finished so they do not pick up reflections.

Diffusers do not support combustion . . . classified as self-extinguishing.

TO REMOVE PLASTIC DIFFUSERS



Grasp the hinged crossbar and pull down to the open position. Push the plastic diffuser up on one side with fingertips to unseat the opposite flange. The panel will then slide free of the fixture.

COMFORTABLE LIGHTING!

OMPLETE FLEXIBILITY OF DESIGN FOR ANY CEILING

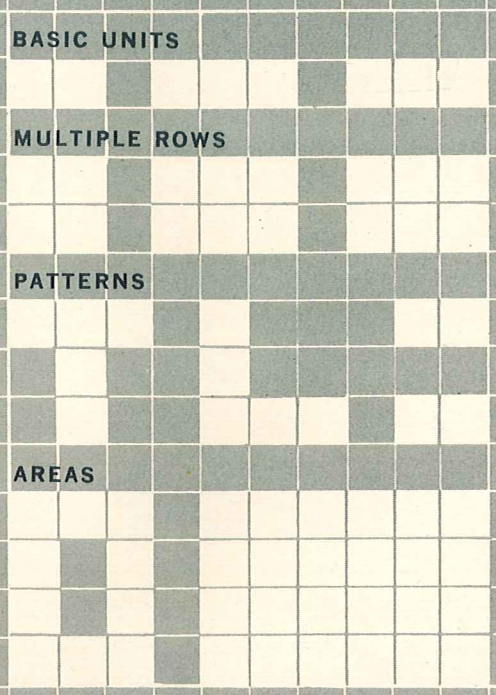
A/LITER
ade in a series of basic units which are table to an almost unlimited range of de- by end-to-end, end-to-side and side-to-side llation. Fixtures may be relocated to con- with changing space requirements.

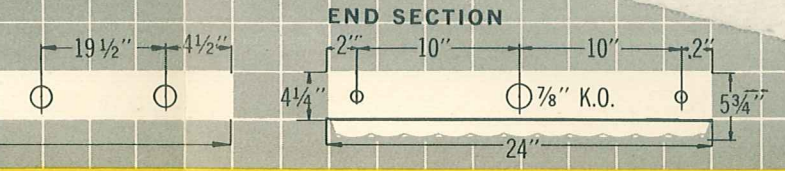
C UNITS:
and 8 foot fixtures may be combined into s, patterns or multiple rows; or mounted y or end-to-end for single rows.

MULTIPLE ROWS:
basic units may be mounted side by side to form multiple rows, as shown.

PATTERNS:
T, L and parallel-row patterns are easily installed in any size and for any ceiling.

AREAS:
blocks, rectangles and large areas are formed with basic units, side-by-side and end-to-end. This is the ultimate expression of lighting with luminous AREAS.

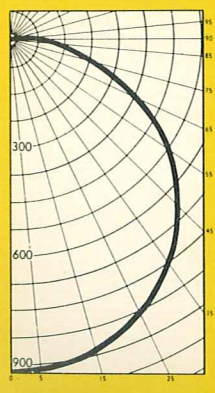




PHOTOMETRIC INFORMATION

AREA/LITER 10248

CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS

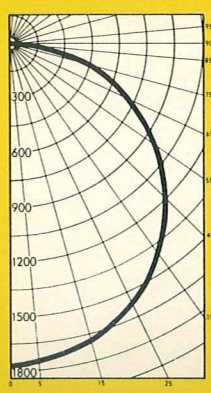
Sym.	Angle	C/In.² Standard Cool Wh.	C/In.² Deluxe Cool Wh.	Sym.	Angle	C/In.² Standard Cool Wh.	C/In.² Deluxe Cool Wh.
a	0	1.0	.7	f	0	1.0	.7
b	45	.9	.6	g	45	.8	.5
c	60	.9	.6	h	60	.8	.5
d	75	.9	.6	i	75	.7	.5
e	90	.9	.6	j	90	.6	.4

COEFFICIENTS OF UTILIZATION

Ceiling Reflectance	.75			.50			.30	
Wall Reflectance	.50	.30	.10	.50	.30	.10	.30	.10
Room Index								
J (0.6)	.26	.22	.19	.26	.22	.19	.22	.19
I (0.8)	.32	.29	.26	.32	.28	.26	.28	.26
H (1.0)	.35	.32	.30	.35	.32	.30	.32	.30
G (1.25)	.38	.35	.33	.38	.35	.33	.34	.33
F (1.5)	.41	.37	.35	.39	.37	.35	.36	.35
E (2.0)	.44	.42	.39	.43	.41	.39	.40	.39
D (2.5)	.48	.45	.42	.46	.44	.42	.44	.42
C (3.0)	.49	.47	.44	.48	.46	.44	.45	.44
B (4.0)	.52	.49	.47	.50	.48	.47	.48	.46
A (5.0)	.53	.51	.49	.51	.49	.48	.49	.47

AREA/LITER 10448

CANDLEPOWER DISTRIBUTION



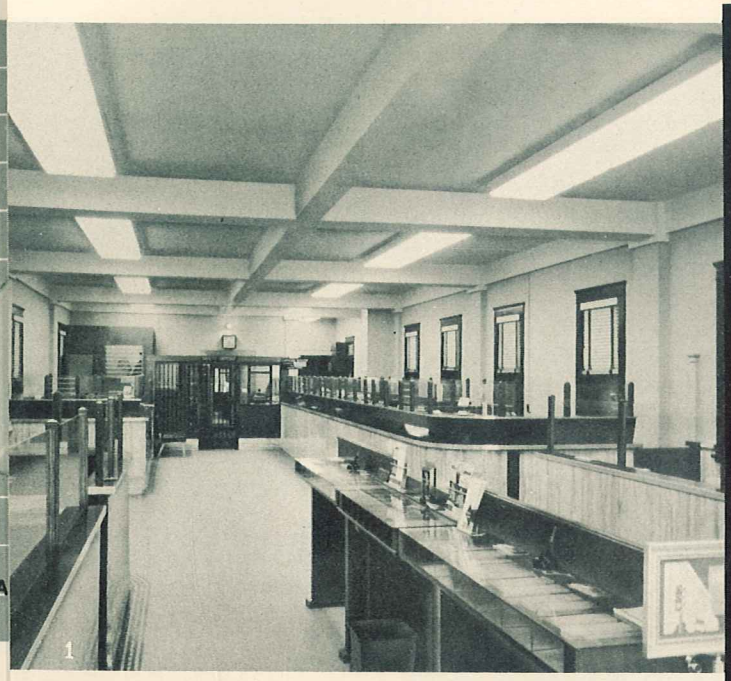
MAXIMUM BRIGHTNESS

Sym.	Angle	C/In.² Standard Cool Wh.	C/In.² Deluxe Cool Wh.	Sym.	Angle	C/In.² Standard Cool Wh.	C/In.² Deluxe Cool Wh.
a	0	1.8	1.3	f	0	1.8	1.3
b	45	1.6	1.1	g	45	1.6	1.1
c	60	1.6	1.1	h	60	1.6	1.1
d	75	1.3	.9	i	75	1.3	.9
e	90	1.4	1.0	j	90	1.0	.7

COEFFICIENTS OF UTILIZATION

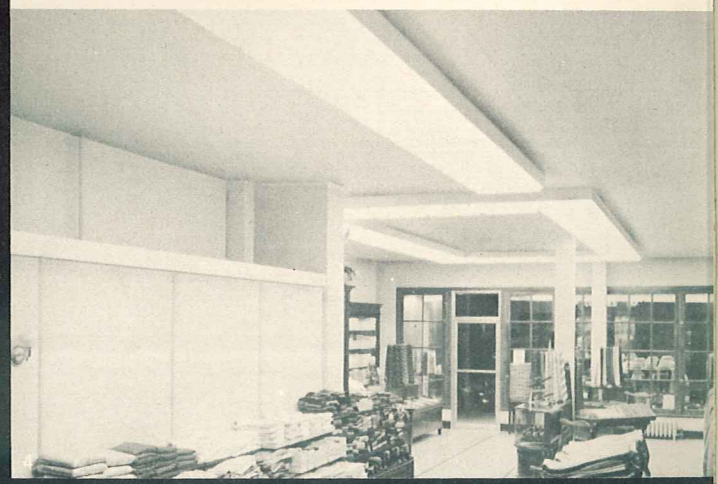
Ceiling Reflectance	.75			.50			.30	
Wall Reflectance	.50	.30	.10	.50	.30	.10	.30	.10
Room Index								
J (0.6)	.25	.21	.18	.25	.21	.18	.21	.18
I (0.8)	.31	.27	.25	.30	.27	.25	.27	.25
H (1.0)	.34	.31	.29	.33	.31	.29	.30	.28
G (1.25)	.37	.34	.31	.36	.33	.31	.32	.31
F (1.5)	.39	.36	.34	.38	.35	.33	.35	.33
E (2.0)	.42	.40	.38	.41	.39	.37	.38	.37
D (2.5)	.46	.43	.41	.44	.42	.41	.42	.41
C (3.0)	.47	.45	.42	.46	.44	.42	.43	.42
B (4.0)	.49	.47	.45	.48	.46	.45	.45	.44
A (5.0)	.51	.49	.47	.49	.47	.46	.46	.45

HARMONIZES AESTHETICALLY WITH MOST TYPES OF ARCHITECTURAL INTERIORS











photos

COMMERCIAL BANK 1
Daytona Beach, Fla.

COLPITTS TOURIST CO. 2
Boston, Mass.

UPTOWN LAUNDRY 3
Wauwatosa, Wis.

ARENA's MENS SHOP 4
Norristown, Pa.

NORTHERN LIFE TOWER BLDG. 5
Seattle, Washington

AREA/LITER catalog information

FOR 40-WATT BI-PIN LAMPS — RAPID-START

Catalog No.	Fixture size	No. and Type of Lamps	Shipping Weight
10248-RS	2′ wide x 4′ long	2 F40T12-RS	38
10448-RS	2′ wide x 4′ long	4 F40T12-RS	44

FOR 20-WATT BI-PIN LAMPS — TRIGGER-START (2-foot units)

10224-TS	2′ wide x 2′ long	2 F20T12-TS	25
10424-TS	2′ wide x 2′ long	4 F20T12-TS	31

FOR SLIMLINE LAMPS

10248-SL	2′ wide x 4′ long	2 F48T12	47
10448-SL	2′ wide x 4′ long	4 F48T12	52
10272	2′ wide x 6′ long	2 F72T12	62
10472	2′ wide x 6′ long	4 F72T12	73
10296	2′ wide x 8′ long	2 F96T12	76
10496	2′ wide x 8′ long	4 F96T12	88

SPECIFICATIONS

1. **GENERAL DESCRIPTION:** The fixture shall be a plastic-shielded direct unit of sturdy construction furnished completely wired, ready for surface mounting installation. Fixtures shall readily join end-to-end, end-to-side and side-to-side with joiners for all variations packed with each fixture.

2. **CONSTRUCTION:** A. **HOUSING** All metal parts shall be die-formed of cold rolled steel 20 gauge minimum. Rivets shall be used to join all main structural parts. No screw-heads, bolts or nuts shall be visible from the exterior of the fixture. Metal parts shall be bonderized and finished with hot sprayed baked white enamel with minimum reflectance of 85%. The fixture shall be designed for surface mounting and shall be capable of being supported either from two points on the longitudinal axis. Where fixtures are joined, joining knockouts shall be flush.

B. **PLASTIC DIFFUSING PANEL:** The diffusing plastic shall be die-formed into textured square drop panels. The plastic shall not support combustion and shall be classed as self-extinguishing. After forming the plastic shall be factory-treated with destaticizing coating. The plastic shall not contain any plasticizing agent. Individual panels shall be metal bound. Plastic diffusing panels shall be simply removable without the use of tools by the release of a hinged supporting bracket.

C. **COMPONENTS:** Components shall be ETL-certified, UL-listed. Ballasts shall be Rapid-Start Series-Sequence, ETL-certified mounted within the housing channel. (See alternate paragraph C-1 below for Slimline series).

3. **WIRING REQUIREMENTS:**
 A. The complete unit shall bear the Underwriters' Laboratory inspection seal.
 B. The fixture shall bear the label of the International Brotherhood of Electrical Workers, A.F. of L.

NOTE: SPECIFICATIONS FOR AREA/LITER SLIMLINE UNITS

Eliminate section 2-C above and substitute the following:

C. **COMPONENTS:** Components shall be ETL-certified, UL-listed. Ballast shall be ETL-certified Slimline Series-Sequence high voltage type mounted within the housing channel.

DISTRIBUTED BY

Graybar ELECTRIC COMPANY

MANUFACTURED BY*

Smithcraft LIGHTING DIVISION
CHELSEA 50, MASSACHUSETTS

*Under license with
Fluorescent Fixtures of California,
San Francisco, California

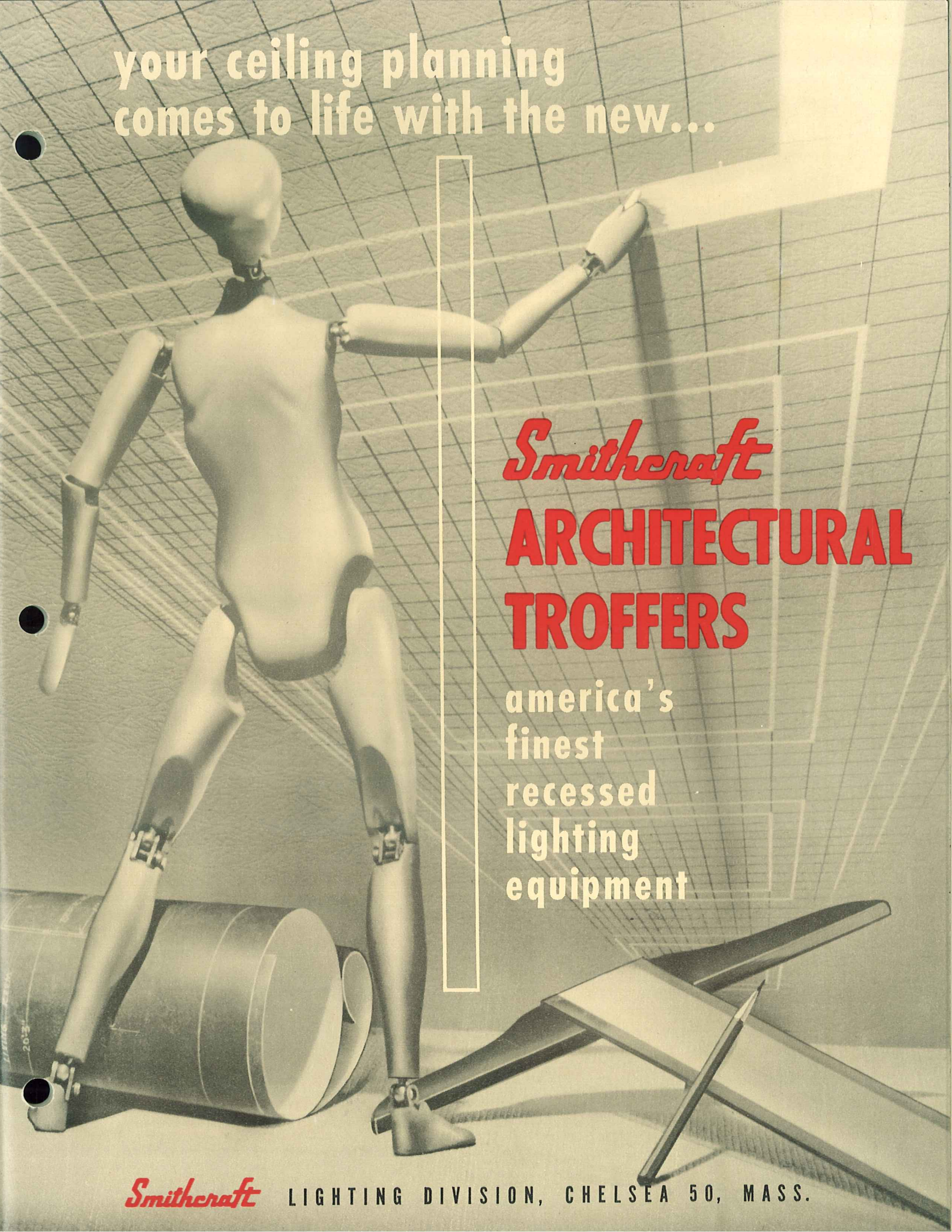
RL

Form No. GS 201-S 12/57 — Printed in U.S.A.

SECTION **C**

Smithcraft

RECESSED LIGHTING


your ceiling planning
comes to life with the new...
Smithcraft
ARCHITECTURAL
TROFFERS
america's
finest
recessed
lighting
equipment
Smithcraft LIGHTING DIVISION, CHELSEA 50, MASS.

Smithcraft ARCHITECTURAL TROFFERS

Because such a large part of a troffer and its workings are hidden behind the ceiling when it is installed, the impression has inevitably arisen that all troffers are pretty much alike. Such is definitely not the case. What's behind the ceiling line is extremely important . . . important to owners and users in beauty and precision of final ceiling appearance . . . important to architects in simple adaptability to all types of ceilings and in flexibility of design . Important also to lighting engineers in lighting efficiency . . . and to contractors in the economics of installation.

Smithcraft Architectural Troffers have always offered many advantages in these important respects. We believe the new improved Smithcraft Architectural Troffer goes so far beyond any recessed lighting heretofore available in improvements and refinements that it is literally in a class by itself. It is the purpose of this book to describe these refinements and detail the features of this new Smithcraft Troffer development.

CONTENTS

ONE-FOOT WIDE TROFFERS.....Pages 3-25

PARTS AND ACCESSORIES FOR ONE-FOOT WIDE TROFFERS.....Page 20

TROFFER SPOT BOXES.....Page 21

ONE-FOOT WIDE TROFFERS FOR INVERTED "T" CEILINGS.....Pages 26-29

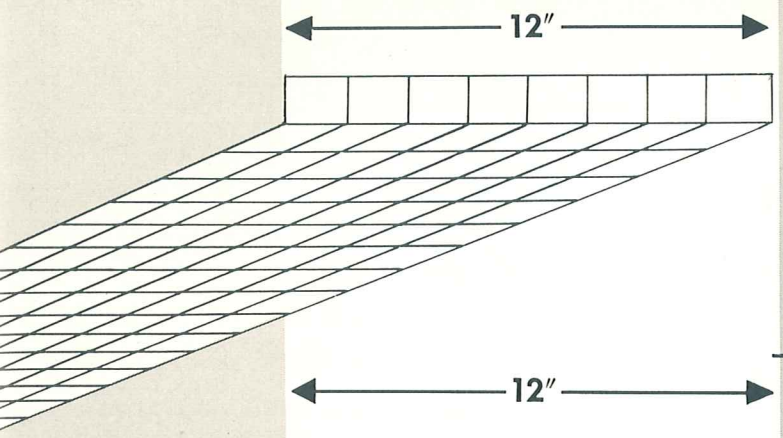
ALUMINUM TROFFERS.....Pages 30-31

TWO-FOOT WIDE TROFFERS.....Pages 32-39

Form No. 430D 4-57
Printed in U.S.A. SR

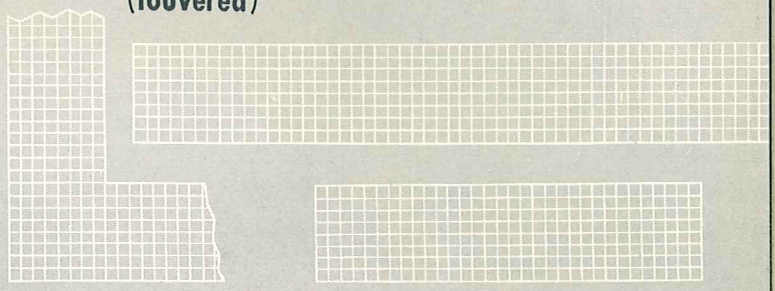
Smithcraft Troffers are available with or without integral trim flange. Both types are designed for exactly 12″ ceiling openings. Troffers with integral trim flange have an overall width of 14″ including flange and are used where finishing the ceiling opening is required.

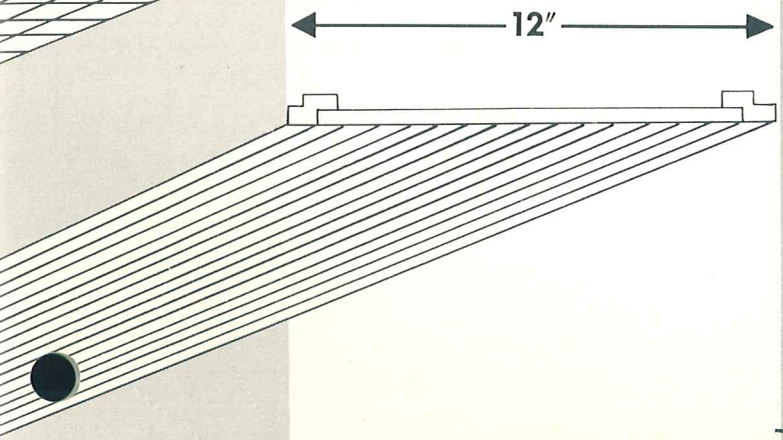
ARCHITECTURALLY CORRECT



12″ WIDE MODULE TROFFERS WITHOUT FLANGE

(louvered)

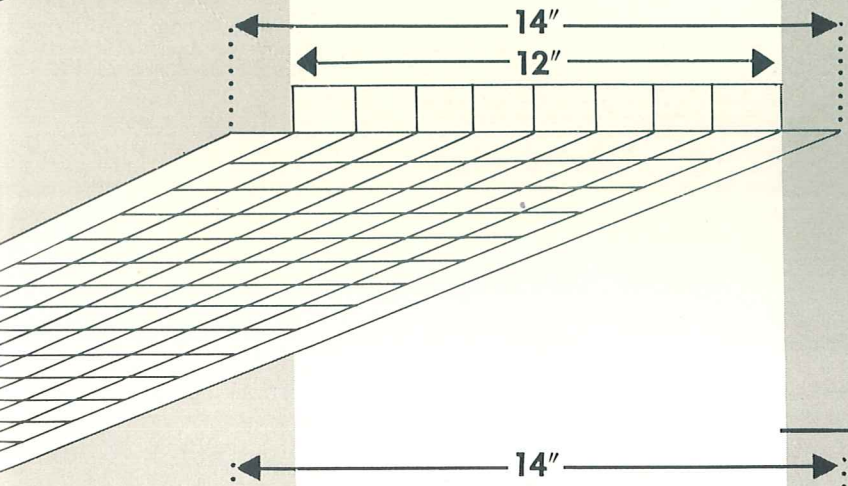




12″ WIDE MODULE TROFFERS WITHOUT FLANGE

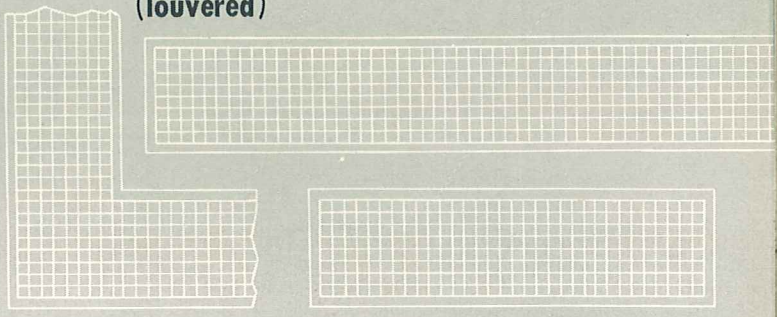
(glass, lens, plastic, plastic louver, glass and plastic dish etc.)

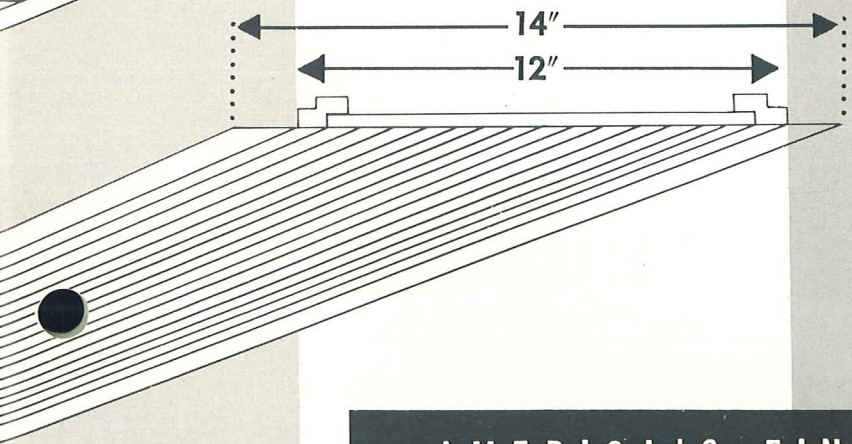




FLANGED TROFFERS WITH INTEGRAL TRIM FLANGE

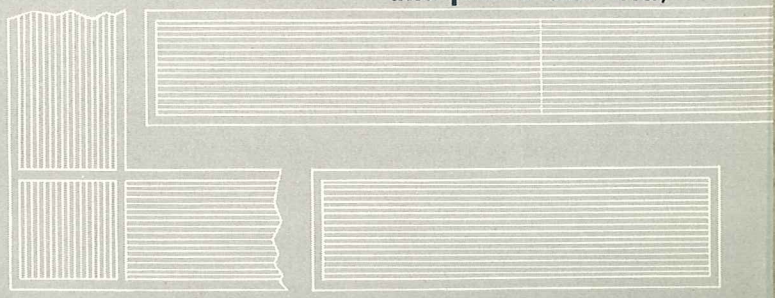
(louvered)



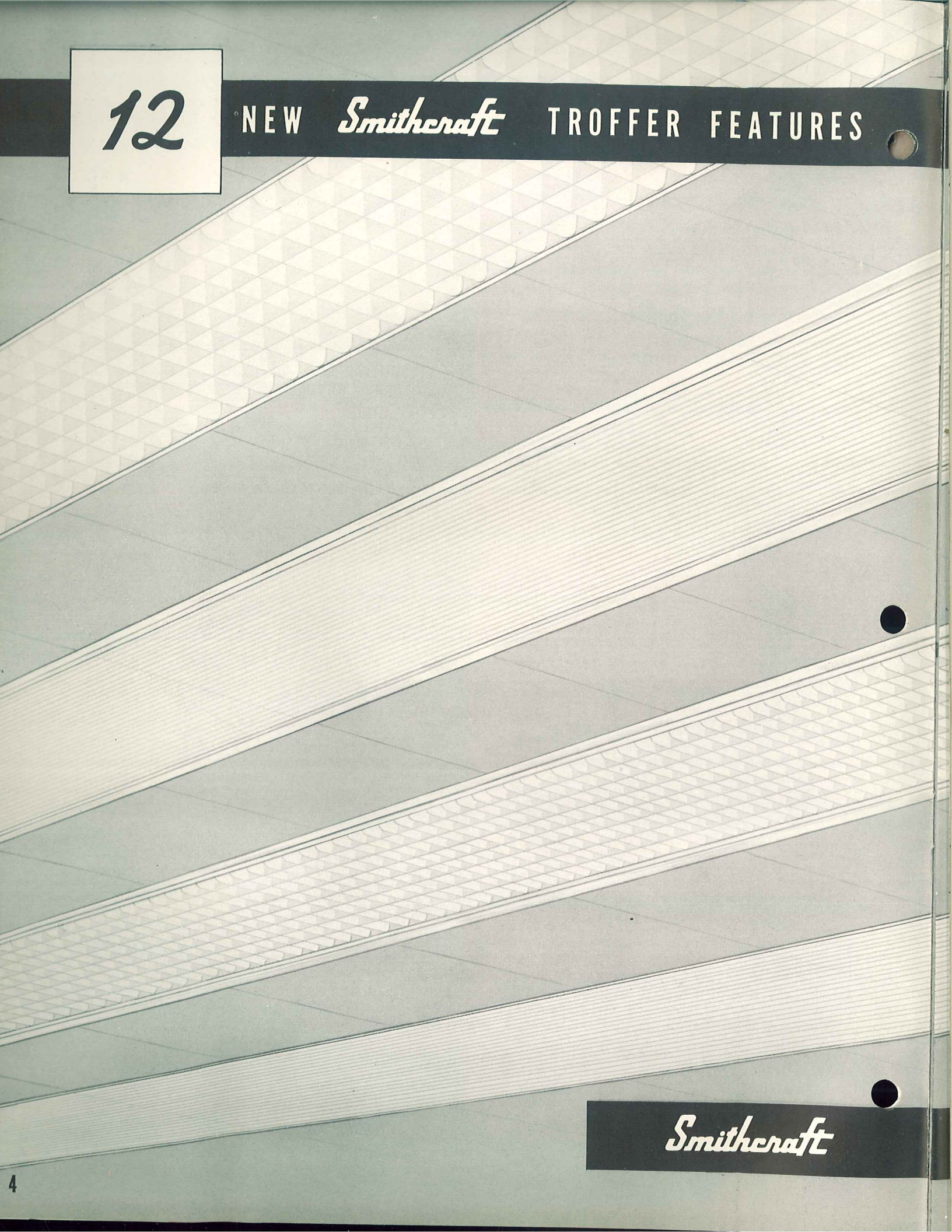


FLANGED TROFFERS WITH INTEGRAL TRIM FLANGE

(glass, lens, plastic, plastic louver, glass and plastic dish etc.)



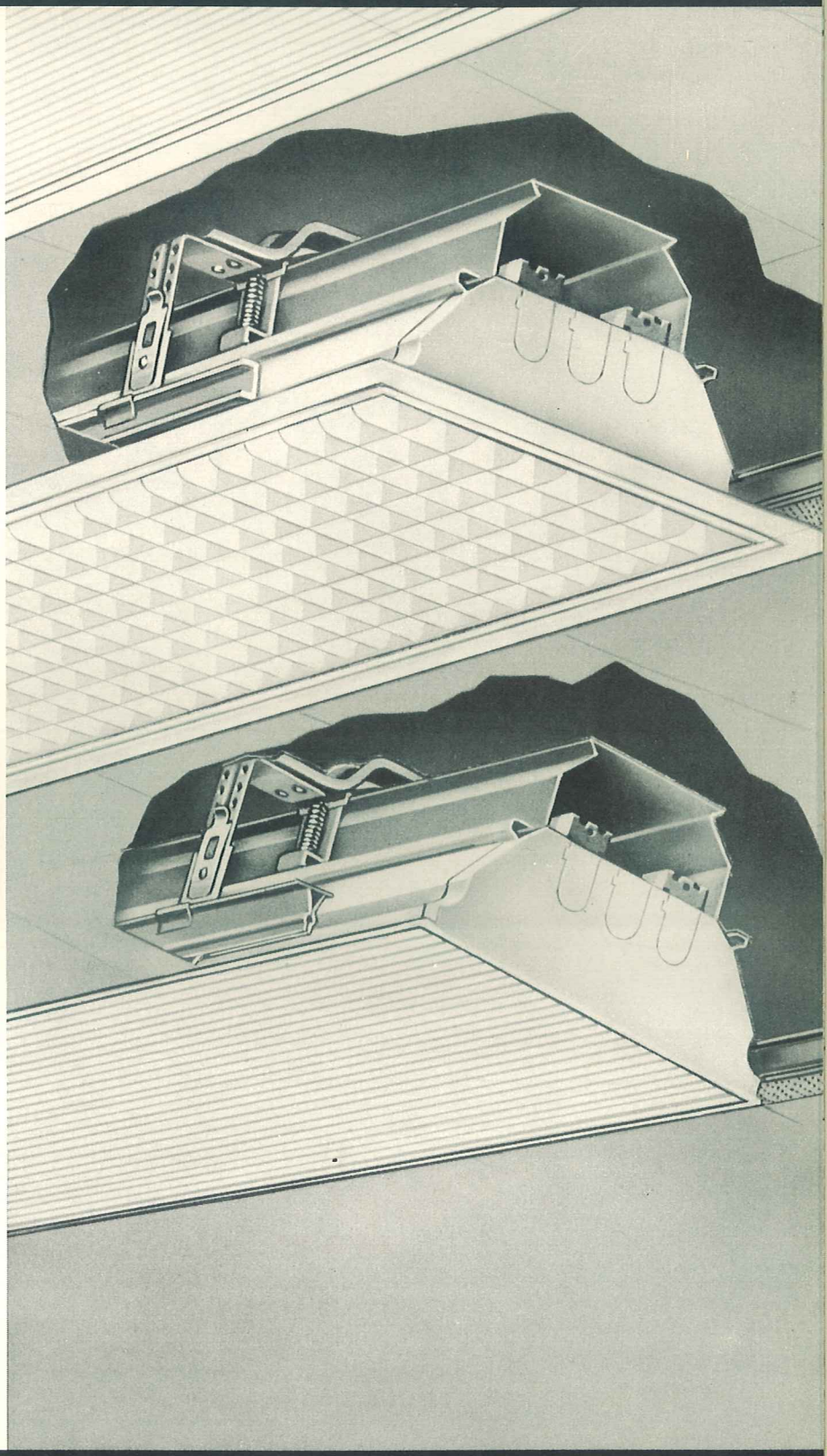
12 NEW Smithcraft TROFFER FEATURES



Smithcraft

TO AID IN YOUR CEILING PLANNING

1. No visible catches, latches, hinges, bolts or screws.
2. Door frame containing glass, lens or plastic opens or closes by simple pressure upwards with the new exclusive Smithcraft Pressure-Catch. (Patents pending) To remove door frame simply lift off without tools or loose parts.
3. In louvered units, louvers hinge from either side, close by simple pressure upwards, and are removed without tools or loose parts. (Patent #2,559,640)
4. Architecturally precise modules for exactly 12″ openings — perfectly straight, trim, in-line rows, whether mounted individually or in continuous rows.
5. No light leaks.
6. Slimly-designed glass frame for better appearance and better efficiency.
7. Wide selection of shielding media, spot boxes, pattern lighting, etc., for flexibility of design.
8. Troffers are available with integral trim flange for finishing the ceiling opening, if required.
9. Adaptability to today's ceilings is virtually universal. Simple clips adapt troffer to all of today's most common ceilings; simple provision for adaptability to all others. The new Smithcraft Troffer-in-plaster frame method assures perfectly square openings.
10. From start to finish only tool required is a screwdriver.
11. No exact positioning required; maximum simple adjustability at every critical point, with the Smithcraft Yoke-Aligner Hanger (Patent #2,597,875, other patents pending)
12. Minimum number of parts and assembly on the job.



ONE FOOT WIDE MODULE and FLANGED TROFFERS

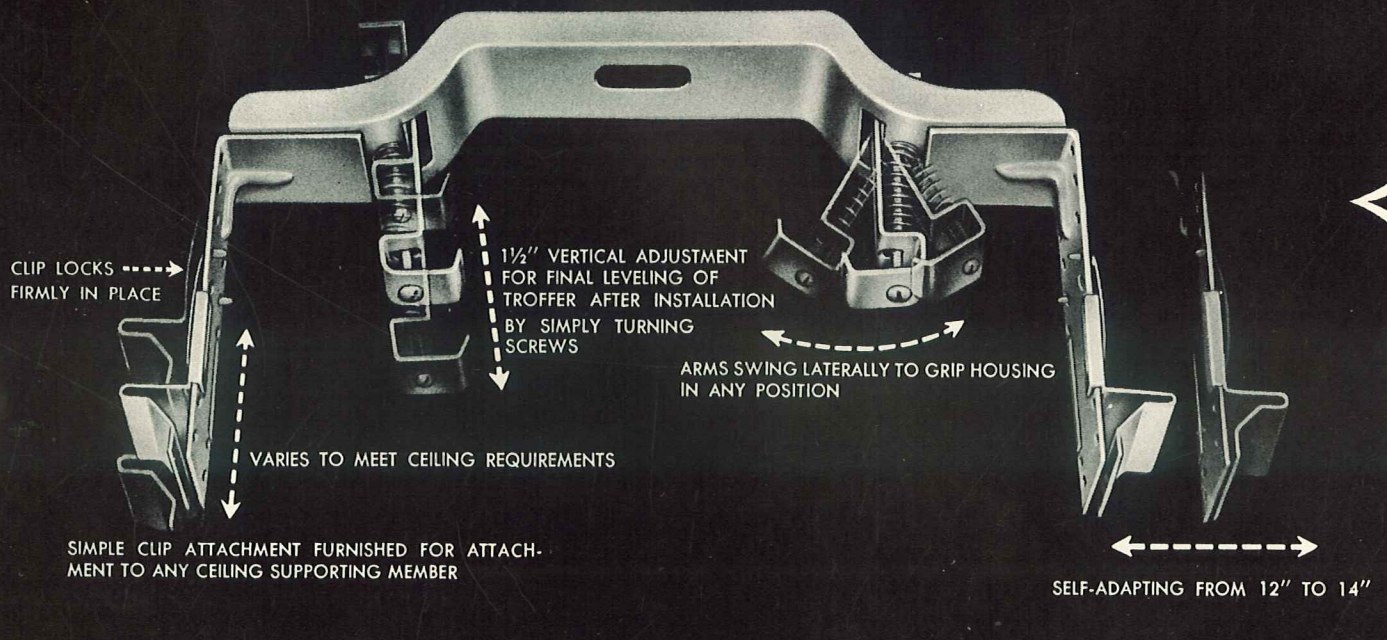
WITHOUT FLANGE — WITH INTEGRAL TRIM FLANGE

america's finest recessed lighting



* THE SECRET

THE NEW SMITHCRAFT YOKE- ALIGNER HANGER ASSEMBLY *



The new Smithcraft YOKE-ALIGNER HANGER ASSEMBLY represents a major step forward in recessed lighting technique because it assures stable, permanent installations that meet every aesthetic and structural requirement and provides maximum adjustability for installation wherever needed. The sturdy Yoke-Aligner Hanger Assembly firmly supports the troffer and prevents toeing-in or other distortion yet through its built-in adjustable features provides maximum adaptability and flexibility to meet ceiling conditions.

The assembly is self-adaptable without tools to span from 12" to 14" openings. Troffers may be slid longitudinally to the exact required position. Swinging arms of the Aligner Hanger permit almost random installation of the housing. An adapting clip which may be raised or lowered to meet ceiling conditions firmly locks the assembly on the ceiling supporting members and is instantly attached. Final levelling of the troffer is from below after installation by simple screwdriver adjustment of four screws to raise or lower the troffer.

*PATENT #2,597,875, other patents pending

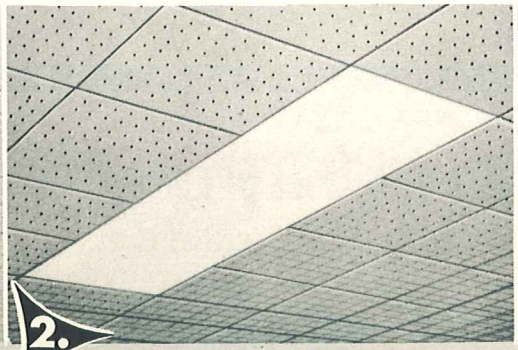
ARCHITECTURALLY ADAPTABLE

Adaptability of the new Smithcraft Troffer to today's ceilings is virtually universal. With the new Smithcraft Yoke-Aligner Hanger Assembly shown on the opposite page the Smithcraft troffer is adapted to today's most common ceilings with simple clip attachments furnished for attachment to ceiling members. In other types of construction where the Yoke-Aligner Hanger is not used, adaptability of the Smithcraft Troffer is uncomplicated architecturally and possesses many new installation advantages. Shown on this page are the general classifications of ceilings in principal use today.

FOR DETAILS AND DIMENSIONAL DATA OF HOW SMITHCRAFT TROFFERS ARE ADAPTED TO THE VARIOUS CEILING SYSTEMS SHOWN BELOW, REFER BY KEY NUMBER TO DETAILED DRAWINGS ON FOLLOWING PAGES:



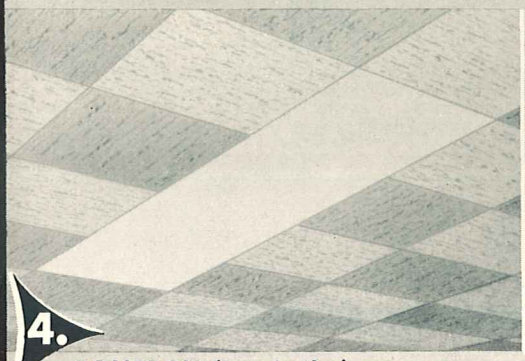
1. **1½" CHANNEL supporting dry type ceilings**



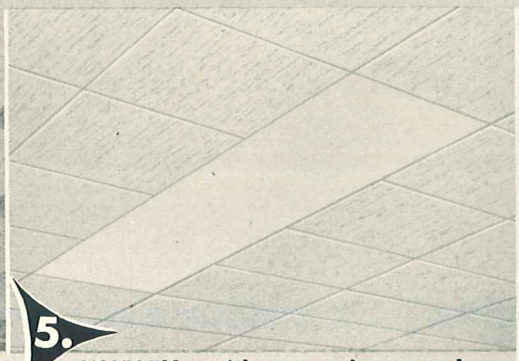
2. **T-BAR ceiling with snap-in metal pans**



3. **SECURITEE (or similar) supporting dry type ceilings.**



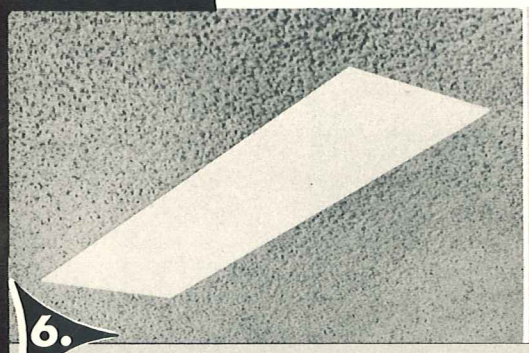
4. **POMEROY (or similar) supporting dry type ceilings**



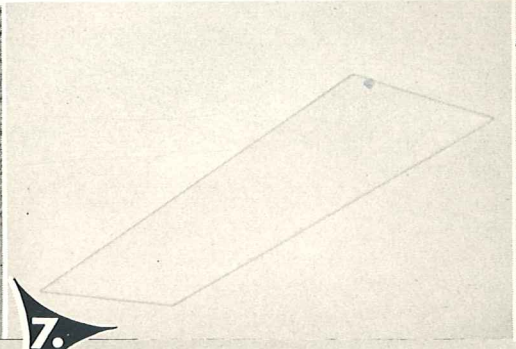
5. **SIMPLEX with snap-in metal pans**

PLUS

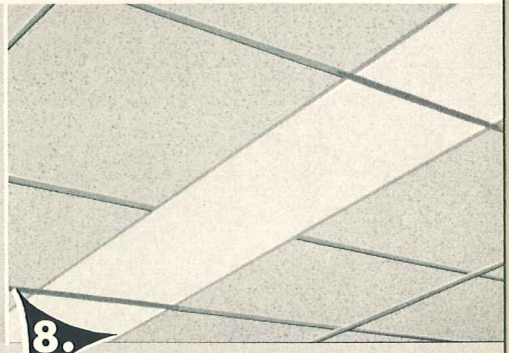
adaptability to virtually all of today's ceilings.



6. **WOOD framed structures**

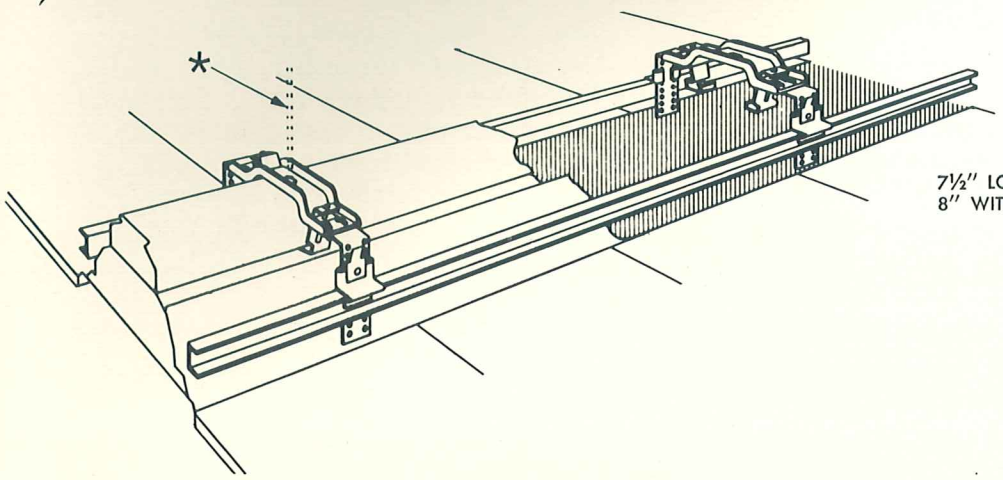


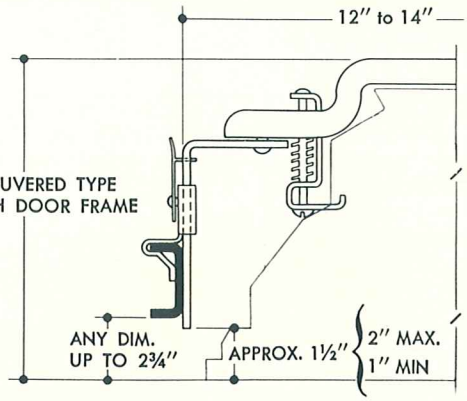
7. **SMITHCRAFT PLASTER FRAME**



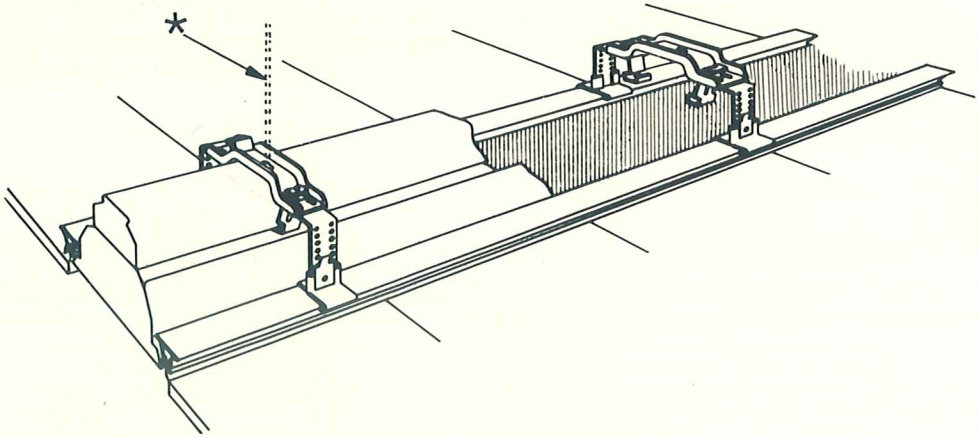
8. **INVERTED T-GRID type suspended ceilings**

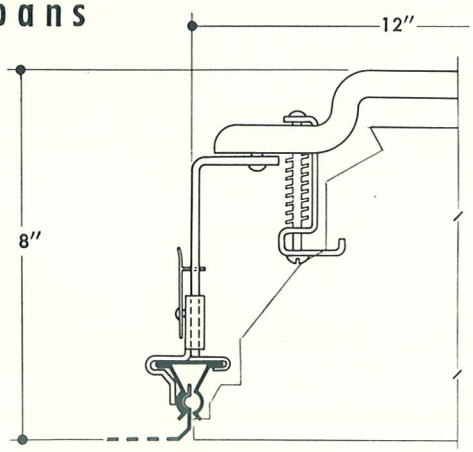
1. 1½" CHANNEL supporting dry type ceilings



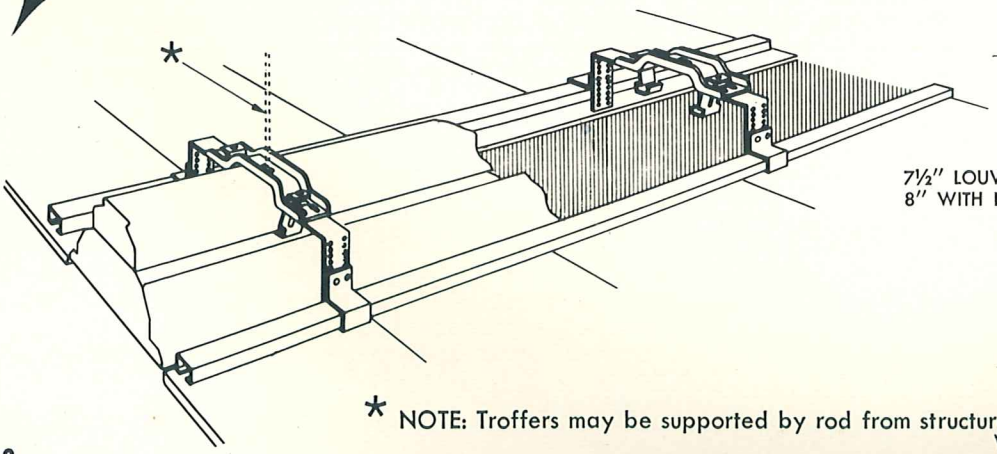


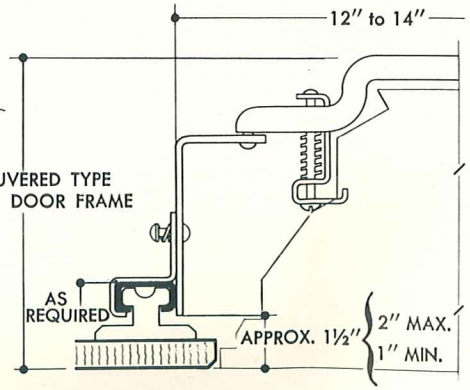
2. T-BAR ceiling with snap-in metal pans





3. SECURITEE (or similar) supporting dry type ceilings

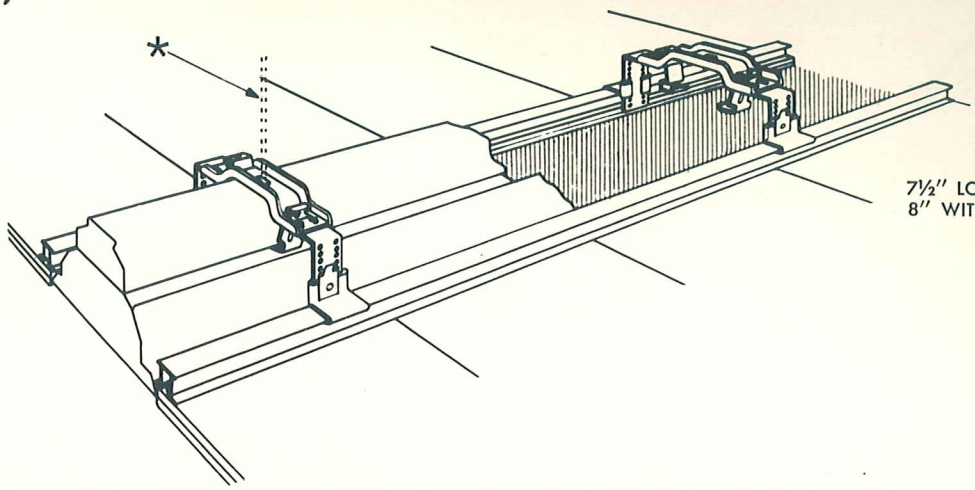


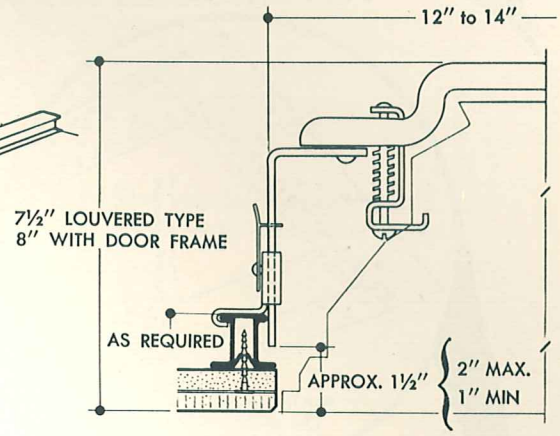


* NOTE: Troffers may be supported by rod from structure above.

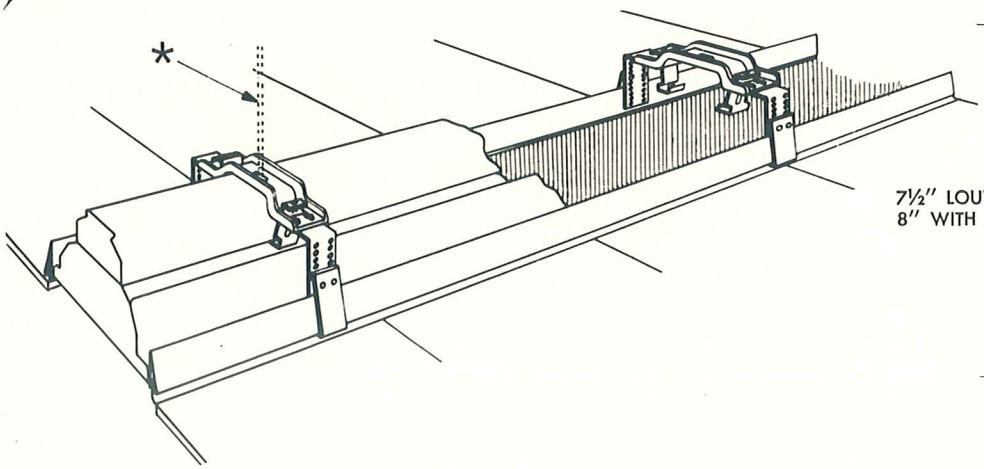
NOTE: Where cavity is less than shown above, aligner hangers as used in number 6 can be substituted.

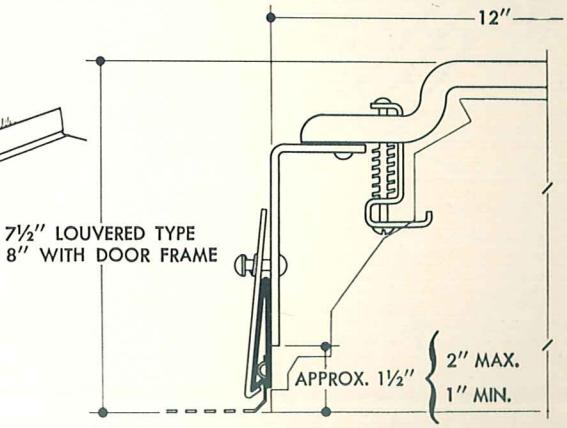
4. POMEROY (or similar) supporting dry type ceilings



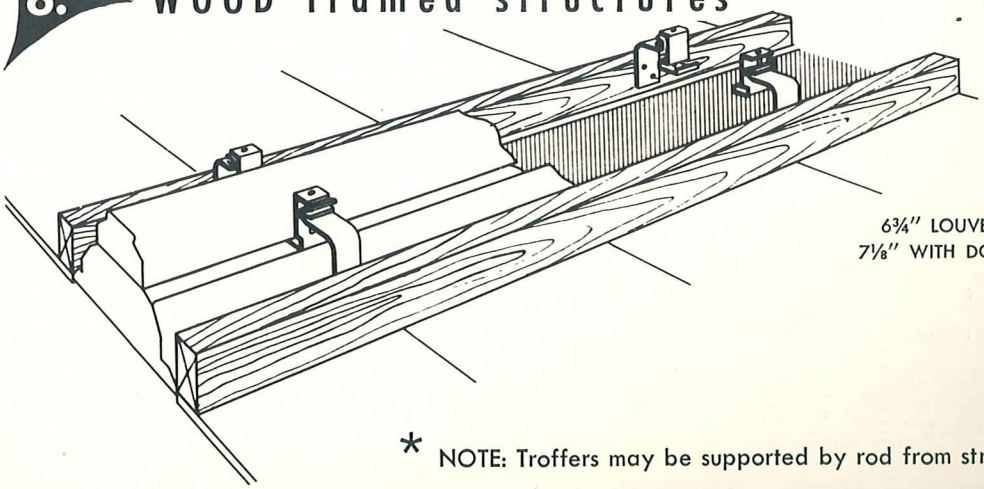


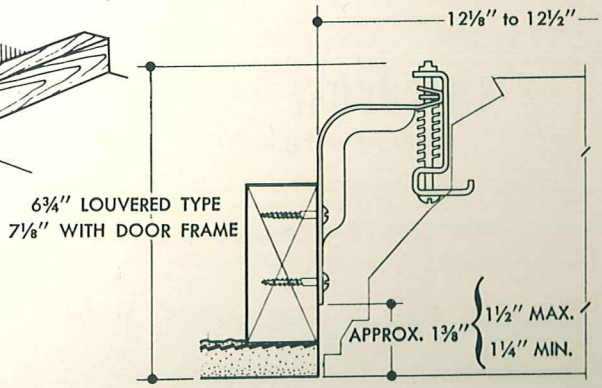
5. SIMPLEX with snap-in metal pans





6. WOOD framed structures

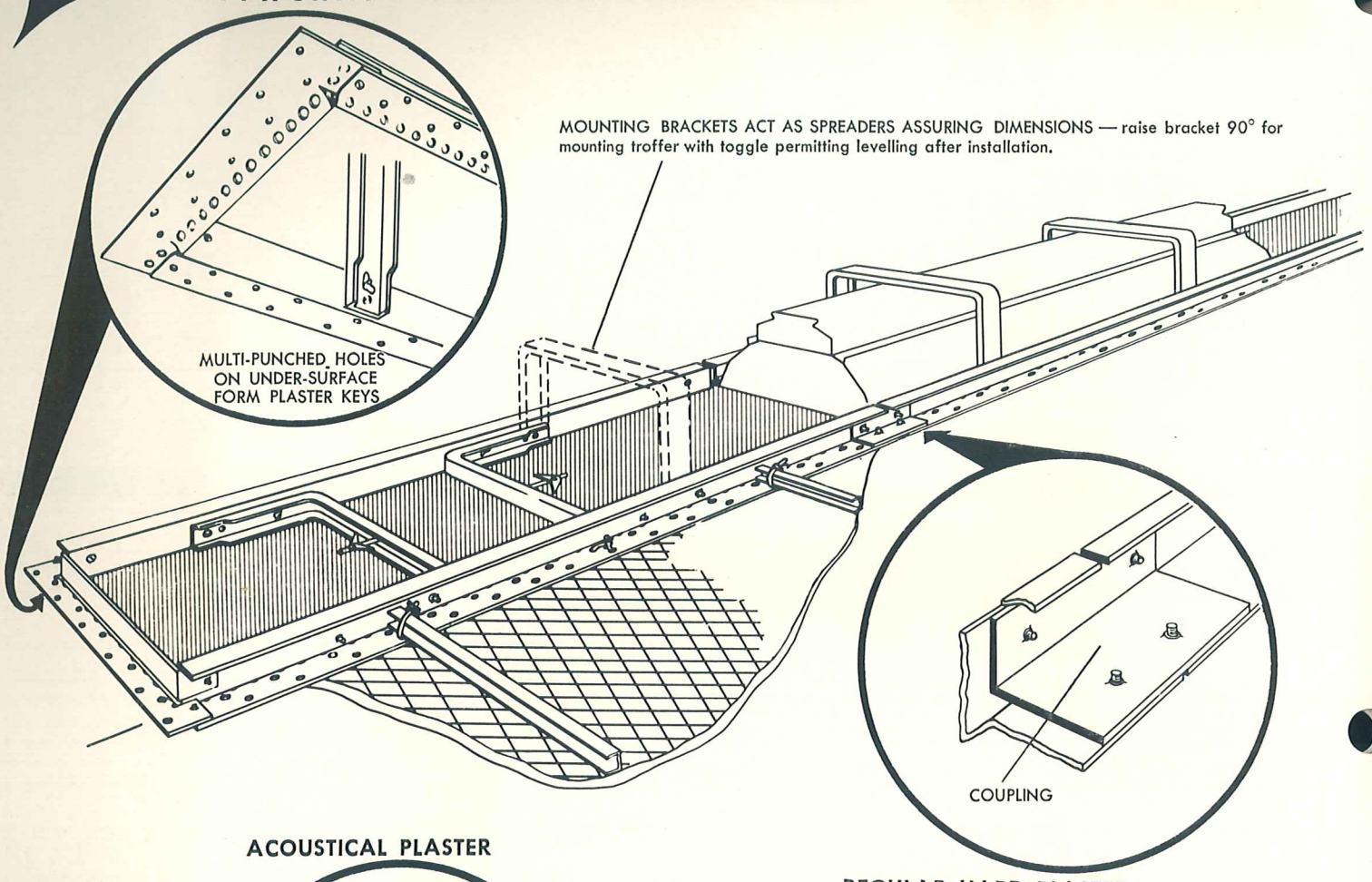


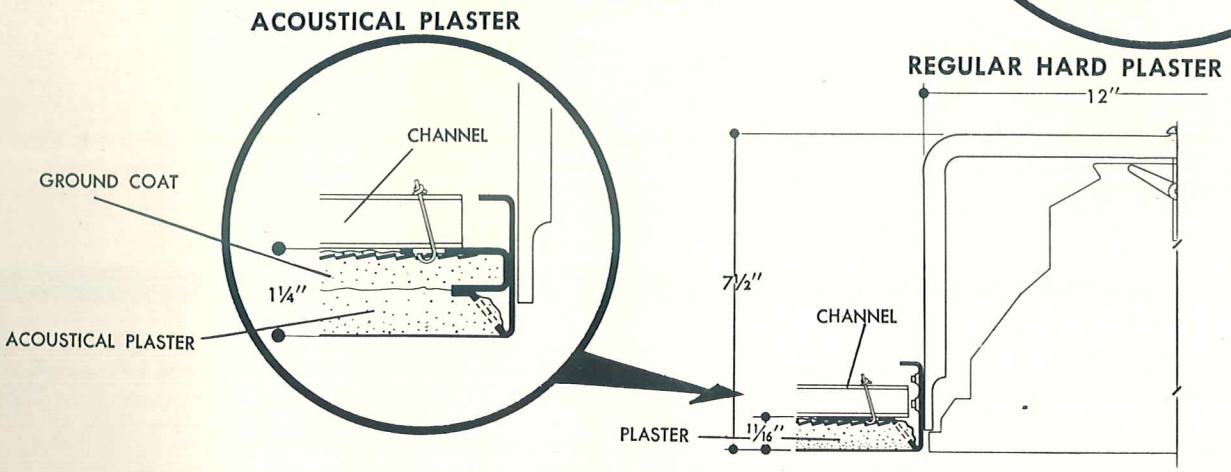


* NOTE: Troffers may be supported by rod from structure above.

NOTE: Where cavity is less than shown above, aligner hangers as used in number 6 can be substituted.

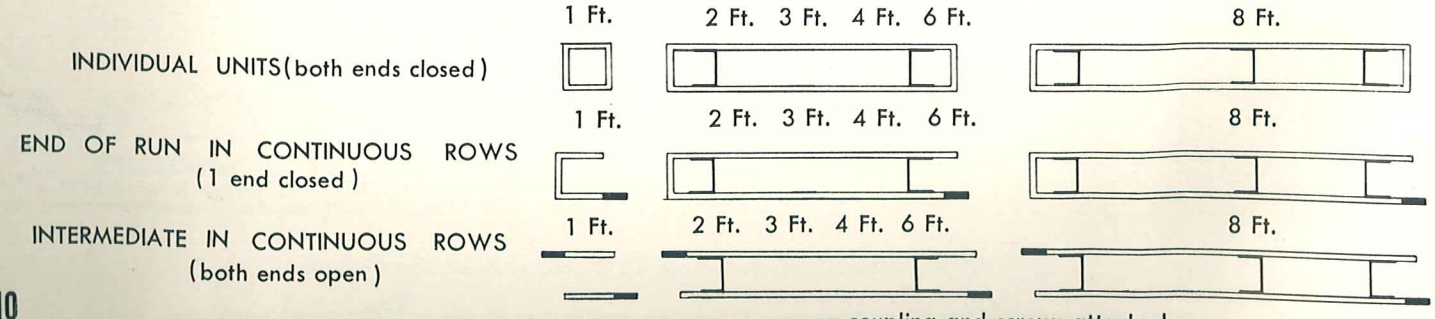
7. SMITHCRAFT PLASTER FRAME





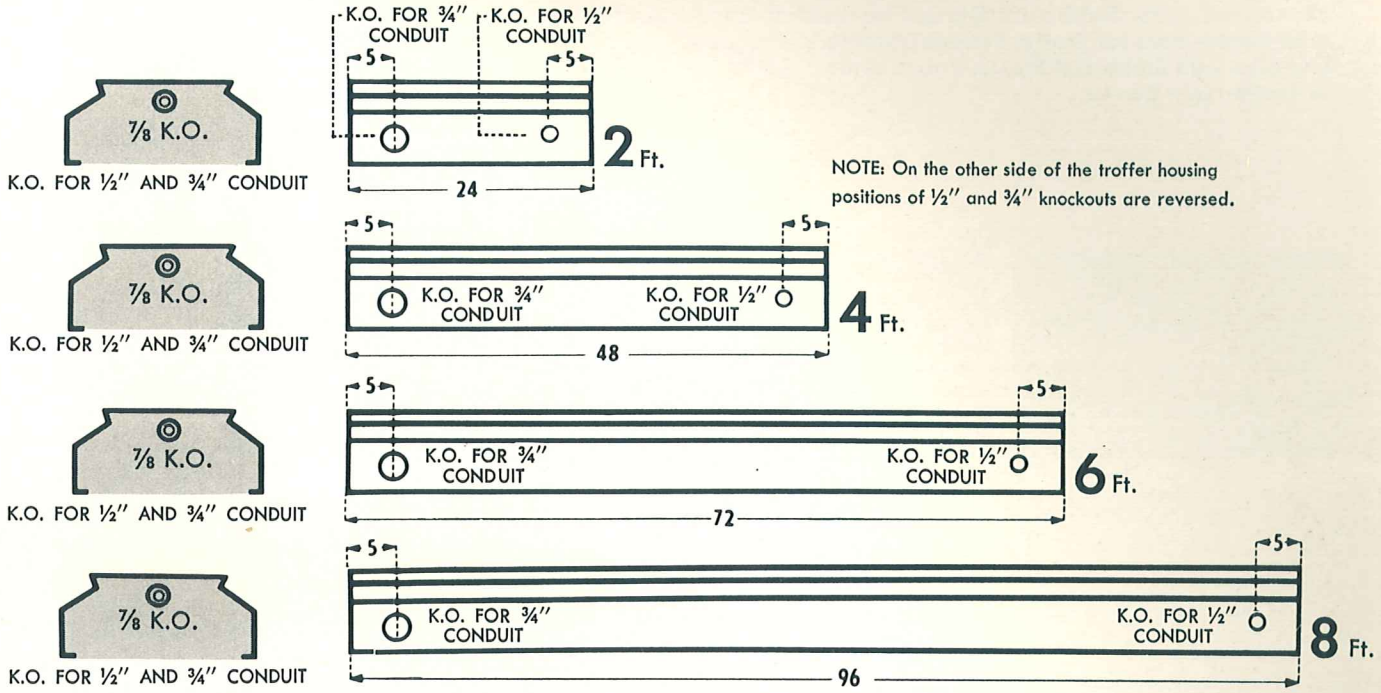
SMITHCRAFT PLASTER FRAME is shipped READY FOR INSTALLATION

with squaring mounting brackets, ends and couplings in position requiring minimum field assembly



TROFFER DIMENSIONAL DATA

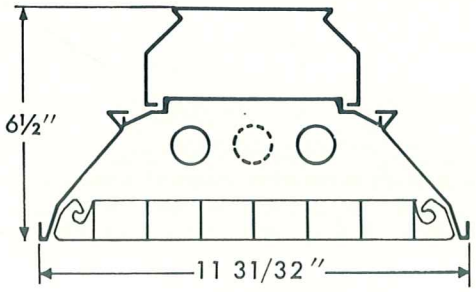
OVERALL DIMENSIONS AND LOCATIONS OF WIRING KNOCKOUTS



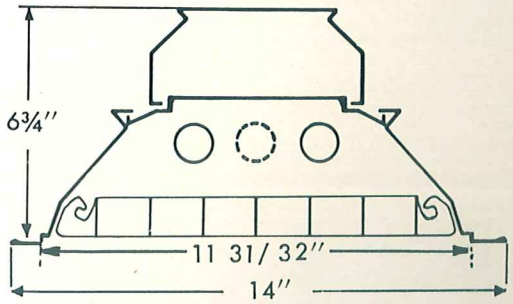
NOTE: On the other side of the troffer housing positions of ½" and ¾" knockouts are reversed.

INDIVIDUAL TROFFERS OR TROFFERS AT END OF CONTINUOUS ROW may be wired into the end cap which has a ⅞" centrally located knockout.

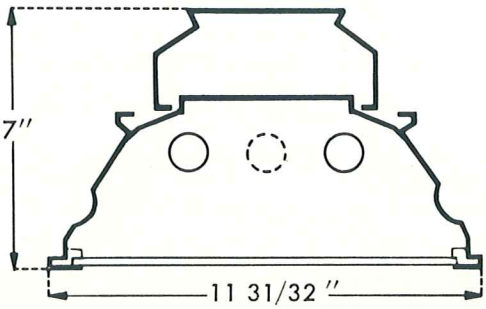
END SECTIONS



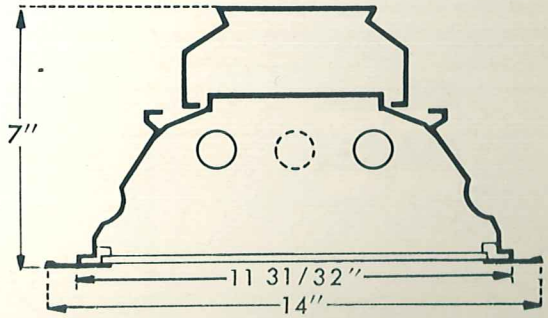
louvered modular troffers
(without flange)



louvered troffers
(with flange)



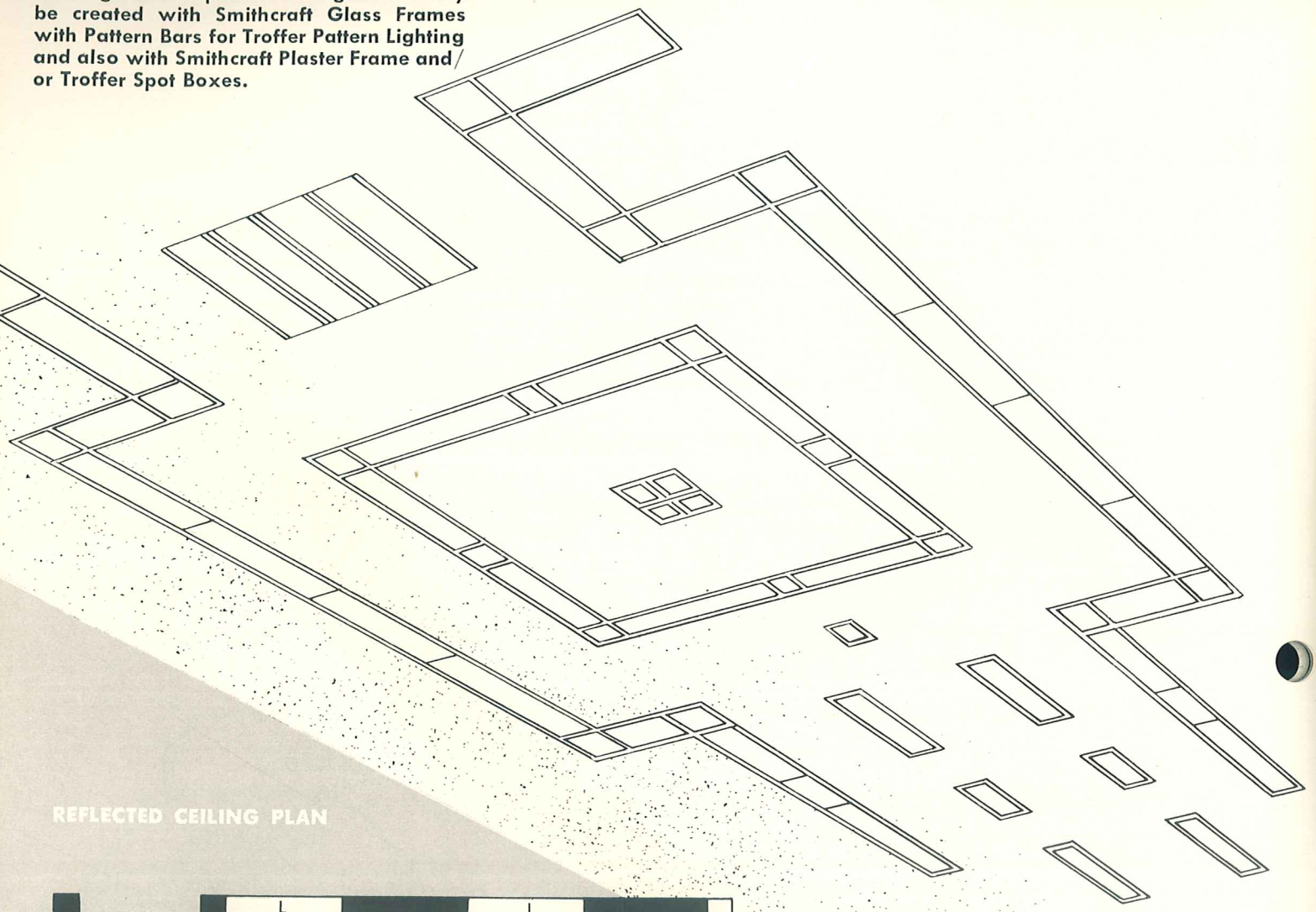
door framed modular troffers
(without flange)



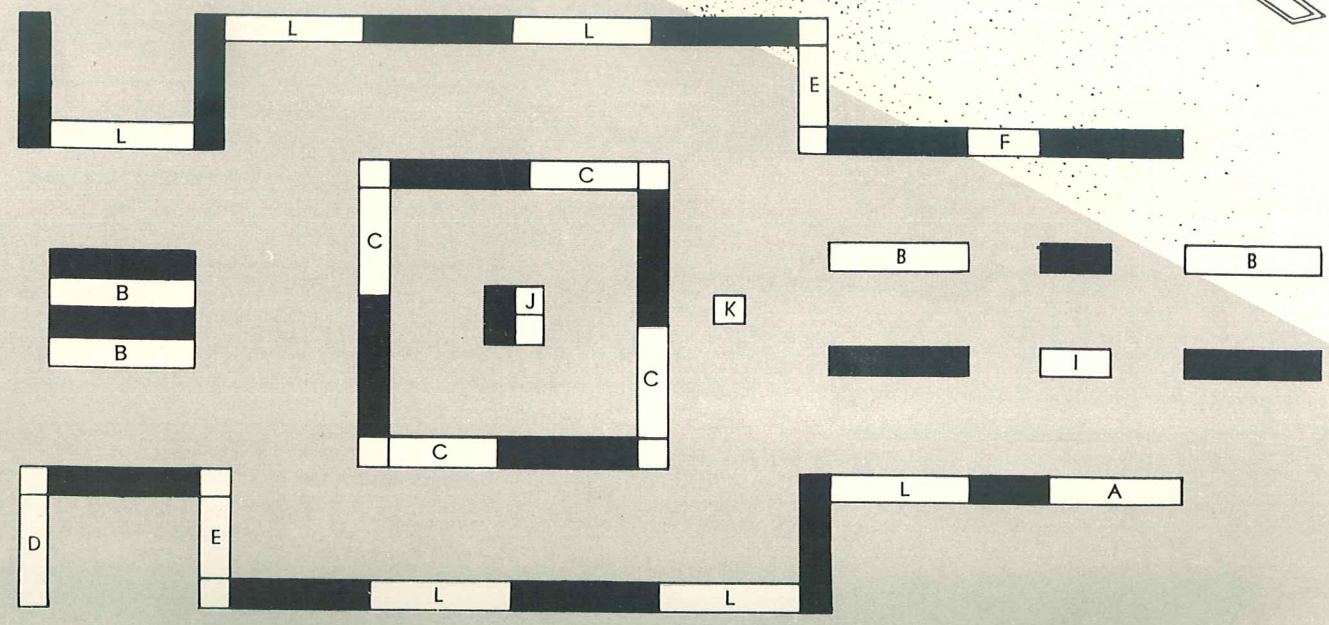
door framed troffers
(with flange)

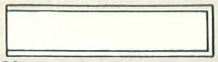
Smithcraft ARCHITECTURAL TROFFERS

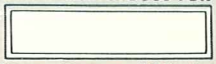
These geometric pattern arrangements may be created with Smithcraft Glass Frames with Pattern Bars for Troffer Pattern Lighting and also with Smithcraft Plaster Frame and/or Troffer Spot Boxes.

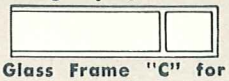


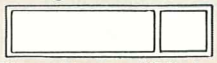
REFLECTED CEILING PLAN

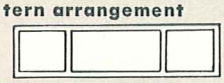


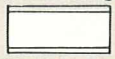
A

Glass Frame "A" for end of continuous run

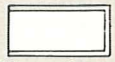
B

Glass Frame "B" for individual units or pattern grouping

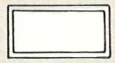
C

Glass Frame "C" for corner units in pattern arrangement

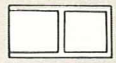
D

Glass Frame "D" for corner and end of pattern arrangement

E

Glass Frame "E" for double-corner of pattern arrangement

F

Glass Frame for intermediate troffers in continuous run

G

Glass Frame "G" for end of continuous run

H

Glass Frame "H" for individual units or pattern grouping

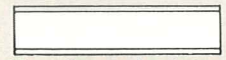
I

Glass Frame "I" for corner units in pattern arrangement

J

Glass Frame "J" for double-corner of pattern arrangement

K

Smithcraft spot and corner boxes are illustrated and described on page 21.

L

Glass Frame for intermediate troffers in continuous run

Pattern Bar glass frames are available for glass and lens-shielded troffers (except dished lenses). These inexpensive pattern bars create corner effects without the use of spot boxes in troffer installations.

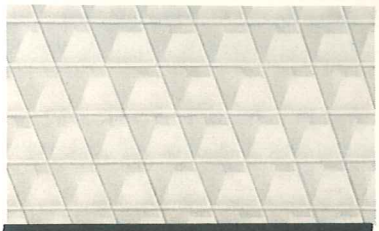
*Glass Frame "B" will be furnished for individual units unless otherwise specified.

ALL GLASS FRAMES CAN BE USED IN ANY CEILING SYSTEM

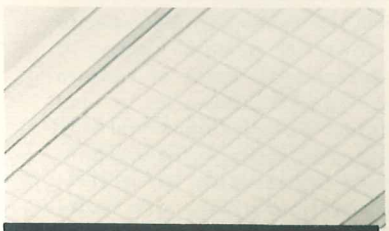
FOR MAXIMUM DESIGN FLEXIBILITY

A WIDE CHOICE OF SHIELDING MEDIA

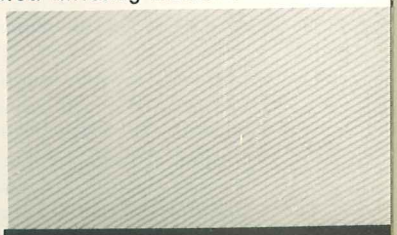
To aid you in your ceiling planning Smithcraft offers a most complete selection of shielding media to meet different lighting requirements and varying decorative and architectural needs and taste. There are Smithcraft Troffers with steel and plastic louvers, with all types of glass, with lenses (both flat and dish) and with all types of plastic diffusers Shown below are small photographs with cross section diagrams showing the surface appearance and construction of these shielding media. Page references are to catalog information (pages 14–20) on Smithcraft Troffers with the indicated diffusing medium.



STEEL LOUVERS
(for 40° x 40° Shielding)
Page 14



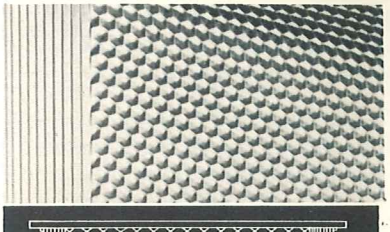
PLASTIC LOUVERS
(for 40° x 40° Shielding)
Page 19



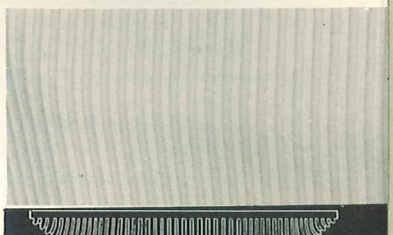
RIBBED GLASS
Page 15



ALBALITE GLASS "66"
Page 15



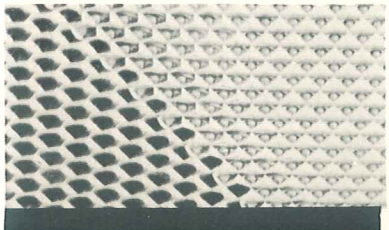
CORNING PATTERN #72 DISH
Page 16



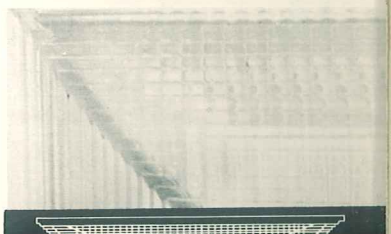
CURVED ALBALITE DISH
Page 17



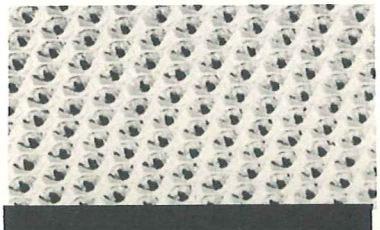
CORNING PATTERN #70 GLASS
Page 16



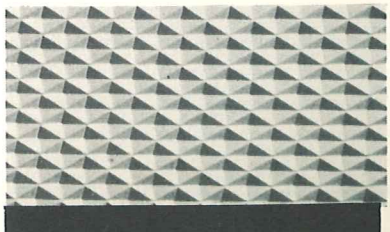
HOLOPHANE CONTROLENS ®#9016
Page 17



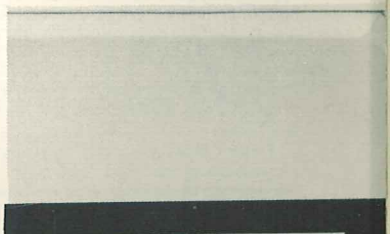
HOLOPHANE DISHED CONTROLENS ®#9033-9034
Page 18



HOLOPHANE CONTROLENS ®#6014 PLASTIC LUCITE LENS
Page 18



PLASTIC LUCITE REFRACTORS
Page 19



POLYCRAFT PLASTIC DISH
Page 20

® Holophane Company Inc.

ORDERING INFORMATION

1. **Ordering Smithcraft Troffers.** Specify catalog number. Specify ceiling construction, cavity depth, how troffer is framed. Specify whether for individual or continuous row mounting. If continuous row, specify number and length of rows. If pattern lighting is planned, supply rough dimensional sketch of pattern desired. We will advise if special accessories are required. With this information we can furnish you with proper fittings (end caps, connectors, Yoke-Aligner Hangers, etc.). **All normal accessories for individual and continuous row mounting are supplied when full ordering information is provided.**

2. Troffer units include two yoke-aligner hanger assemblies with proper attachment clips as required by specific ceiling construction on the job. Necessary housing connectors and end caps are also included. Where Troffers with Integral Trim Flange are desired, catalog numbers are preceded by letter "F" — Example — Troffers with steel louvers with Integral Trim Flange FTL2-40, etc. Be sure that letter "F" precedes catalog letters. Troffers are shipped bulk packed.

3. Plaster Frame — (see page 20). Recommended for use with new plaster ceilings. Saves installation time and eliminates expense of building framing at job. Assures troffer alignment in rows or patterns. Be sure to specify on order that plaster frame is required. For pattern arrangements with plastic frame, supply rough dimensional sketch of pattern desired.

4. Glass and Lens-shielded troffers except THD-Series are available with Smithcraft Pattern Bar for glass frames which permit corner effects without the use of Spot Boxes. If Pattern Bars are specified on rough sketch of pattern, we supply necessary types of frames.

5. In ceilings with wood-framed troffer openings, aligner hangers only (without Yoke) are required, see page 20.

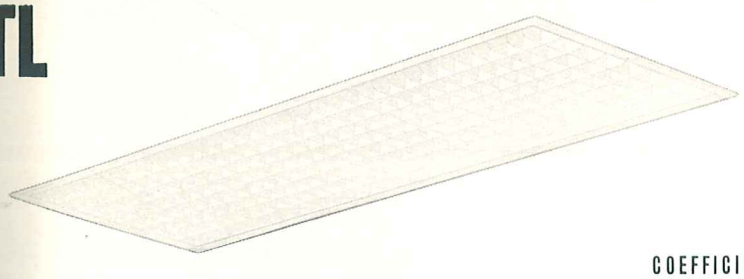
6. Troffers are furnished individually wired not including circuit wires. 118-volt 60-cycle AC is standard on all Troffers. Troffers are available for 1, 2 and 3 Rapid Start lamps, and Slimline lamps. 2-ft. long troffers are furnished with Trigger-Start Ballast (TS). Fixture for other voltages and cycles, including units for 200-MA, 300-MA, and 800-MA are available on special order.

7. Fixtures are furnished without lamps. The lamp designations shown under "No. and Type of Lamps" are for convenience where ordering lamps from the supplier. The color required should be added to these designations.

8. One-light Troffer as well as 2 and 3-light Troffers are available with all shieldings listed on the following pages for Rapid-Start and Slimline lamps.

TL with STEEL LOUVERS

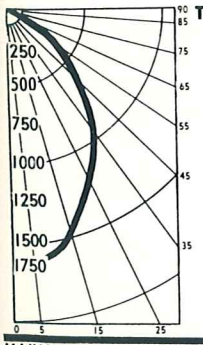
for 40° x 40° shielding



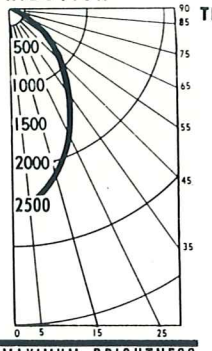
RIGID EGG-CRATE LOUVERS ARE PERMANENTLY WELDED AT EVERY INTERSECTION — AN EXCLUSIVE SMITHCRAFT PROCESS

CANDLEPOWER DISTRIBUTION

TL 2-40



TL 3-40



MAXIMUM BRIGHTNESS

TL 2-40

Vertical Angle	Plane A	Plane B
0°	5.3	5.3
10°	5.5	4.6
20°	4.0	3.8
30°	3.1	3.5
40°	2.7	2.5
45°	2.0	2.1
50°	1.8	1.8
55°	1.4	1.5
60°	1.3	1.4
65°	1.1	1.3
70°	1.0	1.1
80°	.6	.8
85°	.4	.8

TL 3-40

Vertical Angle	Plane A	Plane B
0°	7.4	7.4
10°	6.9	7.2
20°	5.7	6.5
30°	4.9	5.7
40°	4.8	4.1
45°	3.4	3.5
50°	2.6	2.9
55°	2.4	2.5
60°	2.1	2.3
65°	1.7	2.1
70°	1.6	1.9
80°	.7	1.6
85°	.5	1.3

COEFFICIENTS OF UTILIZATION

TL 2-40

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.31	.29	.28	.30	.29	.28	.29	.28
I	0.8	.37	.36	.35	.36	.35	.35	.36	.33
H	1.0	.39	.39	.38	.39	.38	.38	.39	.37
G	1.25	.42	.42	.41	.42	.41	.40	.41	.39
F	1.5	.44	.43	.42	.43	.42	.42	.42	.41
E	2.0	.46	.45	.45	.45	.45	.44	.44	.43
D	2.5	.49	.47	.46	.48	.46	.46	.46	.45
C	3.0	.50	.49	.47	.49	.48	.46	.46	.46
B	4.0	.50	.49	.49	.49	.48	.48	.48	.47
A	5.0	.51	.50	.49	.50	.49	.48	.48	.48

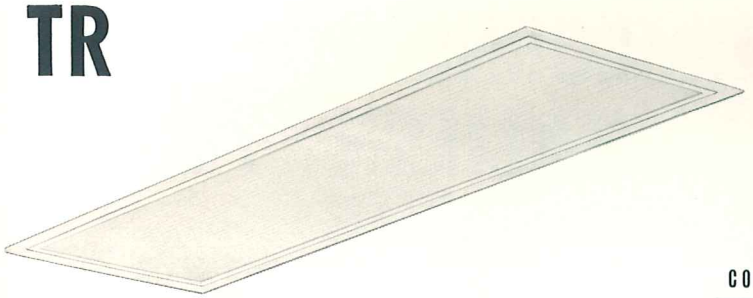
TL 3-40

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.30	.28	.27	.29	.28	.27	.28	.27
I	0.8	.35	.34	.34	.35	.34	.33	.34	.32
H	1.0	.38	.37	.37	.37	.37	.36	.37	.36
G	1.25	.41	.40	.40	.40	.39	.38	.39	.38
F	1.5	.43	.42	.41	.41	.41	.40	.41	.40
E	2.0	.44	.44	.43	.44	.43	.42	.43	.42
D	2.5	.47	.45	.45	.46	.45	.44	.44	.44
C	3.0	.48	.47	.45	.47	.46	.45	.45	.44
B	4.0	.48	.47	.47	.47	.46	.46	.46	.45
A	5.0	.49	.48	.47	.48	47	.46	.46	.46

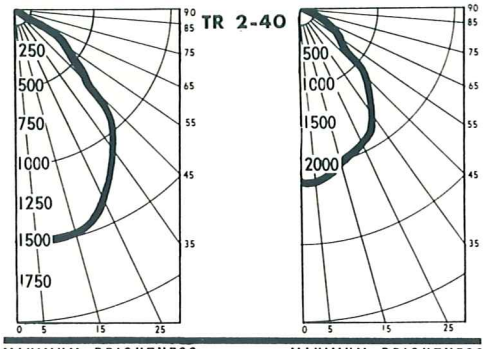
FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
TL2-20/TS	2 F20T12	TL2-96	2 F96T12
TL2-40	2 F40T12/RS	TL2-72	2 F72T12
TL3-40	3 F40T12/RS	TL2-48	2 F48T12
TL2-42	4 F40T12/RS 8' Housing	TL3-96	3 F96T12
		TL3-72	3 F72T12
TL3-42	6 F40T12/RS 8' Housing	T13-48	3 F48T12

For troffers with integral trim flange, add letter "F" in front of catalog number. Example: FTL2-40

TR with RIBBED GLASS



CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS

TR 2-40

Vertical Angle	Plane A	Plane B
0°	3.9	3.9
10°	3.9	3.8
20°	4.2	3.9
30°	4.3	3.9
40°	3.3	3.8
45°	2.7	3.5
50°	1.7	3.1
55°	1.7	2.5
60°	1.1	2.0
65°	.9	1.6
70°	.8	1.2
80°	.7	.5
85°	.4	.3

TR 3-40

Vertical Angle	Plane A	Plane B
0°	6.5	6.5
10°	5.9	6.2
20°	5.7	6.2
30°	5.6	6.1
40°	3.3	5.4
45°	3.2	5.1
50°	2.1	4.5
55°	1.7	3.7
60°	1.3	2.9
65°	.8	2.3
70°	.8	2.0
80°	.6	.8
85°	.5	.5

TR 2-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.35	.33	.32	.34	.33	.32	.33	.31
I	0.8	.41	.40	.37	.41	.40	.39	.40	.38
H	1.0	.45	.44	.43	.44	.43	.43	.43	.42
G	1.25	.48	.47	.46	.47	.46	.45	.46	.45
F	1.5	.50	.49	.48	.48	.48	.47	.48	.46
E	2.0	.52	.51	.51	.51	.51	.49	.50	.49
D	2.5	.56	.53	.52	.54	.52	.52	.52	.51
C	3.0	.56	.55	.53	.55	.54	.52	.52	.52
B	4.0	.57	.56	.55	.56	.54	.54	.54	.53
A	5.0	.57	.57	.56	.56	.55	.54	.54	.54

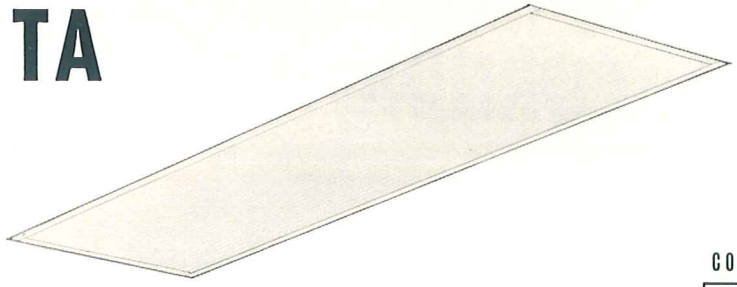
TR 3-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.32	.30	.29	.31	.30	.29	.30	.29
I	0.8	.38	.37	.36	.38	.36	.36	.36	.36
H	1.0	.41	.40	.40	.40	.40	.39	.40	.39
G	1.25	.44	.43	.43	.43	.42	.41	.42	.41
F	1.5	.46	.45	.44	.44	.44	.43	.44	.43
E	2.0	.48	.47	.46	.47	.46	.45	.46	.45
D	2.5	.51	.49	.48	.49	.48	.48	.48	.47
C	3.0	.52	.50	.49	.50	.49	.48	.48	.48
B	4.0	.52	.51	.50	.51	.50	.49	.49	.49
A	5.0	.53	.52	.51	.52	.50	.50	.50	.49

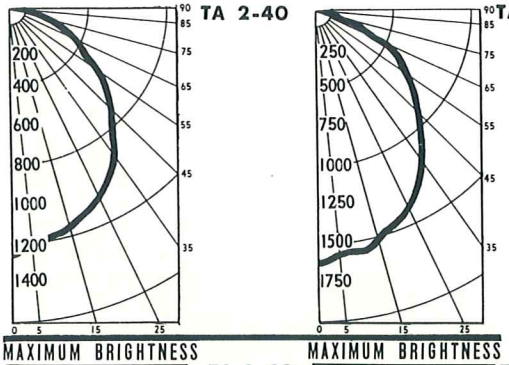
FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
TR2-20/TS	2 F20T12	TR2-96	2 F96T12
TR2-40	2 F40T12/RS	TR2-72	2 F72T12
TR3-40	3 F40T12/RS	TR2-48	2 F48T12
TR2-42	4 F40T12/RS 8′ Housing	TR3-96	3 F96T12
		TR3-72	3 F72T12
TR3-42	6 F40T12/RS 8′ Housing	TR3-48	3 F48T12

For troffers with integral trim flange, add "F" in front of catalog number.
Example: FTR2-40

TA with ALBALITE "66"



CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS

TA 2-40

Vertical Angle	Plane A	Plane B
0°	2.8	2.8
10°	2.8	2.8
20°	2.7	2.7
30°	2.7	2.6
40°	2.6	2.5
45°	2.5	2.3
50°	2.4	2.3
55°	2.3	2.2
60°	2.2	2.1
65°	2.1	1.9
70°	1.9	1.8
80°	1.6	1.4
85°	.6	.9

TA 3-40

Vertical Angle	Plane A	Plane B
0°	4.2	4.2
10°	4.1	4.1
20°	4.1	4.0
30°	3.8	3.8
40°	3.4	3.7
45°	3.2	3.6
50°	3.0	3.4
55°	3.1	3.1
60°	3.0	3.1
65°	2.8	2.9
70°	2.8	2.6
80°	1.8	1.9
85°	1.2	1.3

TA 2-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.30	.27	.24	.30	.27	.24	.26	.24
I	0.8	.37	.34	.32	.36	.33	.32	.33	.32
H	1.0	.40	.38	.36	.40	.38	.36	.37	.36
G	1.25	.43	.41	.39	.43	.41	.39	.40	.39
F	1.5	.46	.43	.41	.44	.43	.41	.42	.41
E	2.0	.49	.47	.44	.48	.46	.44	.46	.44
D	2.5	.52	.50	.48	.51	.49	.48	.49	.48
C	3.0	.54	.52	.49	.52	.50	.49	.50	.49
B	4.0	.55	.54	.52	.54	.52	.52	.52	.51
A	5.0	.57	.55	.53	.55	.54	.52	.53	.52

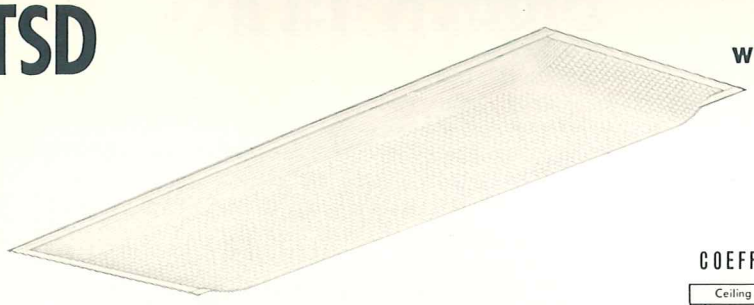
TA 3-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.27	.24	.22	.27	.24	.22	.23	.22
I	0.8	.33	.30	.29	.33	.30	.28	.30	.28
H	1.0	.36	.34	.32	.35	.34	.32	.33	.32
G	1.25	.38	.36	.35	.38	.36	.35	.35	.35
F	1.5	.41	.38	.36	.40	.38	.36	.37	.36
E	2.0	.43	.42	.40	.43	.41	.40	.41	.40
D	2.5	.47	.44	.43	.46	.44	.43	.43	.43
C	3.0	.48	.46	.44	.47	.45	.44	.44	.43
B	4.0	.49	.48	.47	.48	.47	.46	.46	.46
A	5.0	.50	.49	.47	.49	.48	.47	.47	.46

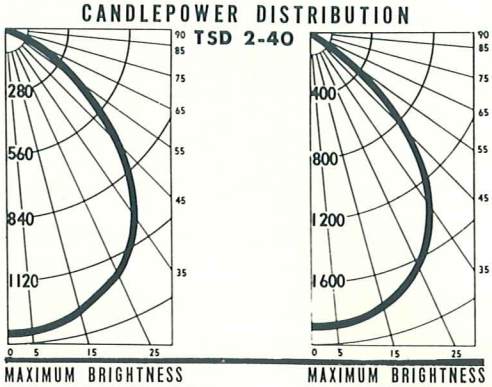
FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
TA2-20/TS	2 F20T12	TA2-96	2 F96T12
TA2-40	2 F40T12/RS	TA2-72	2 F72T12
TA3-40	3 F40T12/RS	TA2-48	2 F48T12
TA2-42	4 F40T12/RS 8′ Housing	TA3-96	3 F96T12
		TA3-72	3 F72T12
TA3-42	6 F40T12/RS 8′ Housing	TA3-48	3 F48F12

For troffers with integral trim flange, add letter "F" in front of catalog number.
Example: FTA2-40

TSD with CORNING PATTERN #72 dish



CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS

TSD 2-40

Vertical Angle	Plane A	Plane B
0°	4.4	4.4
10°	4.1	4.2
20°	4.1	4.1
30°	4.3	3.8
40°	4.3	3.2
45°	3.4	2.5
50°	2.6	1.7
55°	2.0	1.2
60°	1.4	0.9
65°	1.0	1.0
70°	0.7	0.8
80°	0.8	1.0
85°	0.5	1.0
90°	0.4	0.8

TSD 3-40

Vertical Angle	Plane A	Plane B
0°	6.8	6.8
10°	6.8	6.7
20°	6.7	6.5
30°	6.7	6.3
40°	5.5	5.8
45°	4.7	4.8
50°	3.7	3.1
55°	2.5	2.0
60°	1.9	1.5
65°	1.3	1.3
70°	1.0	1.2
80°	0.9	1.4
85°	0.7	1.3
90°	0.7	0.9

TSD 2-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.32	.29	.28	.31	.29	.28	.29	.28
I	0.8	.38	.36	.36	.38	.36	.35	.36	.34
H	1.0	.41	.40	.39	.41	.39	.39	.39	.38
G	1.25	.44	.43	.42	.43	.42	.41	.42	.41
F	1.5	.46	.45	.43	.45	.44	.43	.44	.43
E	2.0	.49	.48	.46	.48	.47	.46	.46	.45
D	2.5	.52	.50	.49	.51	.49	.48	.49	.48
C	3.0	.54	.52	.49	.52	.51	.49	.49	.49
B	4.0	.54	.52	.52	.53	.51	.51	.51	.50
A	5.0	.55	.54	.52	.54	.52	.52	.52	.50

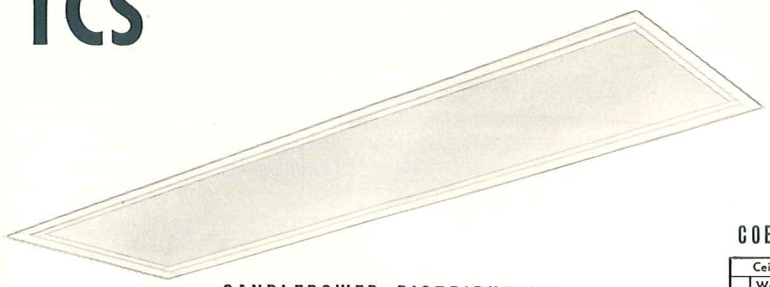
TSD 3-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.30	.29	.27	.29	.28	.26	.28	.26
I	0.8	.35	.34	.33	.35	.34	.33	.34	.32
H	1.0	.38	.37	.37	.37	.37	.36	.37	.36
G	1.25	.41	.40	.39	.40	.39	.38	.39	.38
F	1.5	.43	.42	.40	.41	.40	.40	.40	.39
E	2.0	.44	.44	.43	.44	.43	.42	.43	.41
D	2.5	.47	.45	.45	.46	.45	.44	.44	.44
C	3.0	.48	.47	.45	.47	.46	.45	.45	.44
B	4.0	.49	.48	.47	.48	.47	.46	.46	.45
A	5.0	.49	.49	.47	.48	.47	.46	.46	.46

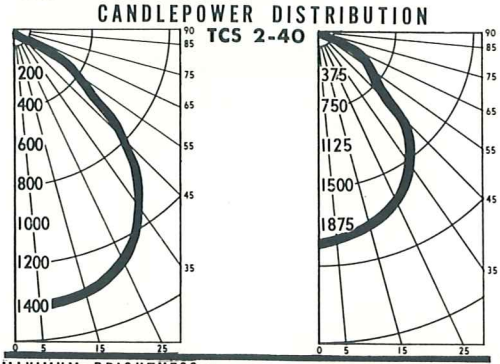
FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
TSD2-20/TS	2 F20T12	TSD2-96	2 F96T12
TSD2-40	2 F40T12/RS	TSD2-72	2 F72T12
TSD3-40	3 F40T12/RS	TSD2-48	2 F48T12
TSD2-42	4 F40T12/RS 8′ Housing	TSD3-96	3 F96T12
		TSD3-72	3 F72T12
TSD3-42	6 F40T12/RS 8′ Housing	TSD3-48	3 F48T12

For troffers with integral trim flange, add letter "F" in front of catalog number.
Example: FTSD2-40

TCS with CORNING #70 glass



CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS

TCS 2-40

Vertical Angle	Plane A	Plane B
0°	4.0	4.0
10°	4.0	4.0
20°	4.0	3.8
30°	3.9	3.5
40°	3.9	2.9
45°	3.5	2.5
50°	2.6	2.2
55°	2.1	1.9
60°	1.5	1.6
65°	1.1	1.4
70°	.8	1.2
80°	.5	1.1
85°	.4	1.1

TCS 3-40

Vertical Angle	Plane A	Plane B
0°	6.4	6.4
10°	6.0	6.3
20°	6.0	6.1
30°	5.9	5.8
40°	5.1	5.1
45°	4.1	4.5
50°	3.3	3.4
55°	2.6	2.8
60°	2.0	2.3
65°	1.3	1.9
70°	1.0	1.7
80°	0.7	1.7
85°	0.5	1.7

TCS 2-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.34	.31	.30	.33	.31	.30	.31	.29
I	0.8	.40	.38	.38	.40	.38	.37	.38	.36
H	1.0	.43	.42	.41	.43	.41	.41	.41	.40
G	1.25	.46	.45	.45	.46	.45	.43	.44	.43
F	1.5	.49	.48	.46	.47	.46	.45	.46	.45
E	2.0	.51	.51	.49	.51	.49	.48	.49	.48
D	2.5	.55	.52	.51	.53	.52	.51	.51	.51
C	3.0	.56	.54	.52	.54	.53	.52	.52	.51
B	4.0	.57	.55	.54	.56	.54	.53	.53	.52
A	5.0	.57	.56	.55	.56	.55	.54	.54	.53

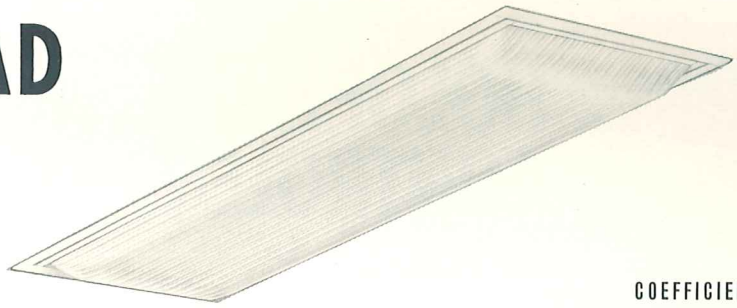
TCS 3-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.30	.28	.26	.29	.28	.26	.28	.26
I	0.8	.36	.34	.33	.35	.33	.33	.33	.32
H	1.0	.38	.37	.37	.38	.37	.36	.37	.36
G	1.25	.41	.40	.39	.41	.39	.38	.39	.38
F	1.5	.43	.42	.41	.42	.41	.40	.41	.40
E	2.0	.45	.45	.43	.45	.44	.43	.43	.42
D	2.5	.49	.46	.45	.47	.46	.45	.45	.45
C	3.0	.49	.48	.46	.48	.47	.46	.46	.45
B	4.0	.50	.49	.48	.49	.48	.47	.47	.46
A	5.0	.51	.50	.49	.50	.49	.48	.48	.47

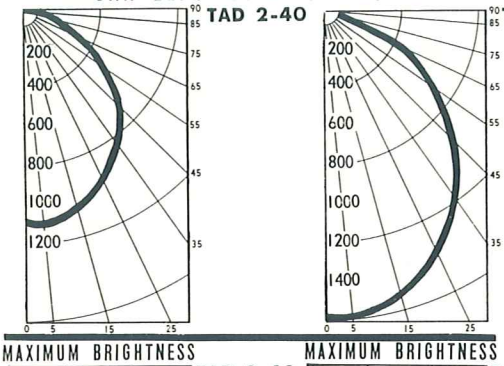
FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
TCS2-20/TS	2 F20T12	TCS2-96	2 F96T12
TCS2-40	2 F40T12/RS	TCS2-72	2 F72T12
TCS3-40	3 F40T12/RS	TCS2-48	2 F48T12
TCS2-42	4 F40T12/RS 8′ Housing	TCS3-96	3 F96T12
		TCS3-72	3 F72T12
TCS3-42	6 F40T12/RS 8′ Housing	TCS3-48	3 F48T12

For troffers with integral trim flange, add letter "F" in front of catalog number.
Example FTCS2-40

TAD with CURVED ALBALITE DISH



CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS

TAD 2-40

Vertical Angle	Plane A	Plane B
0°	2.7	2.7
10°	2.5	2.6
20°	2.5	2.6
30°	2.5	2.5
40°	2.5	2.4
45°	2.5	2.3
50°	2.5	2.2
55°	2.4	2.1
60°	2.4	2.0
65°	2.1	1.9
70°	1.8	1.7
80°	1.7	1.3
85°	1.7	.9
90°	1.5	.9

TAD 3-40

Vertical Angle	Plane A	Plane B
0°	3.8	3.8
10°	3.8	3.8
20°	3.8	3.7
30°	3.6	3.6
40°	3.4	3.4
45°	3.3	3.3
50°	3.3	3.1
55°	3.2	3.0
60°	3.0	2.8
65°	2.8	2.6
70°	2.7	2.3
80°	2.3	1.8
85°	2.2	1.4
90°	1.90	1.2

TAD 2-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.29	.25	.23	.28	.25	.23	.25	.23
I	0.8	.35	.32	.30	.35	.32	.30	.32	.30
H	1.0	.38	.36	.34	.38	.36	.34	.35	.34
G	1.25	.41	.39	.37	.41	.39	.37	.38	.37
F	1.5	.44	.41	.39	.43	.41	.39	.40	.39
E	2.0	.47	.45	.42	.46	.44	.42	.44	.42
D	2.5	.51	.48	.46	.49	.47	.46	.47	.46
C	3.0	.52	.50	.47	.51	.49	.47	.48	.47
B	4.0	.54	.52	.49	.53	.51	.50	.50	.49
A	5.0	.55	.53	.51	.53	.52	.50	.51	.50

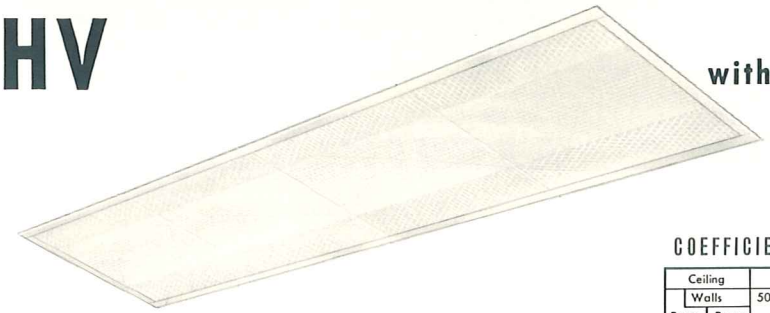
TAD 3-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.27	.23	.21	.26	.23	.21	.23	.21
I	0.8	.33	.30	.28	.32	.29	.28	.29	.28
H	1.0	.36	.33	.31	.35	.33	.32	.33	.31
G	1.25	.38	.36	.34	.38	.36	.34	.35	.34
F	1.5	.41	.38	.36	.40	.38	.36	.37	.36
E	2.0	.44	.42	.39	.43	.41	.39	.41	.39
D	2.5	.47	.45	.43	.46	.44	.43	.43	.42
C	3.0	.48	.46	.44	.47	.45	.44	.45	.43
B	4.0	.50	.48	.47	.49	.47	.46	.46	.46
A	5.0	.51	.49	.47	.50	.48	.47	.48	.46

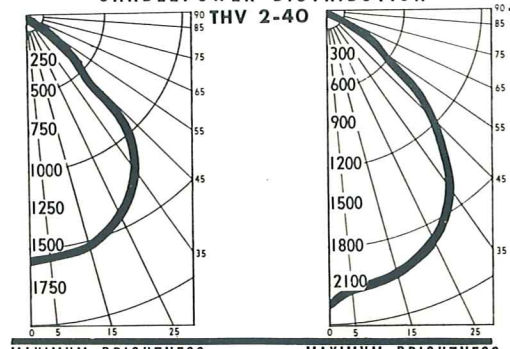
FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
TAD2-20/TS	2 F20T12	TAD2-96	2 F96T12
TAD2-40	2 F40T12/RS	TAD2-72	2 F72T12
TAD3-40	3 F40T12/RS	TAD2-48	2 F48T12
TAD2-42	4 F40T12/RS 8′ Housing	TAD3-96	3 F96T12
		TAD3-72	3 F72T12
TAD3-42	6 F40T12/RS 8′ Housing	TAD3-48	3 F48T12

For troffers with integral trim flange, add letter "F" in front of catalog number.
Example: FTAD2-40

THV with HOLOPHANE CONTROLENS® #9016



CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS

THV 2-40

Vertical Angle	Plane A	Plane B
0°	4.4	4.4
10°	4.1	4.2
20°	4.1	4.1
30°	4.3	3.8
40°	4.3	3.2
45°	3.4	2.5
50°	2.6	1.7
55°	2.0	1.2
60°	1.4	.9
65°	.9	.9
70°	.6	.7
80°	.7	.9
85°	.4	.9

THV 3-40

Vertical Angle	Plane A	Plane B
0°	6.8	6.8
10°	6.8	6.7
20°	6.7	6.5
30°	6.7	6.3
40°	5.5	5.8
45°	4.7	4.8
50°	3.7	3.1
55°	2.5	2.0
60°	1.9	1.5
65°	1.2	1.2
70°	.9	1.1
80°	.8	1.4
85°	.6	1.2

THV 2-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.35	.33	.32	.35	.33	.32	.33	.32
I	0.8	.42	.41	.40	.42	.40	.40	.40	.38
H	1.0	.45	.45	.44	.45	.44	.43	.44	.43
G	1.25	.48	.48	.47	.47	.46	.46	.46	.45
F	1.5	.51	.50	.48	.49	.48	.48	.48	.47
E	2.0	.53	.52	.51	.52	.51*	.50	.51	.50
D	2.5	.56	.54	.53	.55	.53	.53	.53	.52
C	3.0	.57	.56	.54	.56	.55	.53	.53	.53
B	4.0	.58	.56	.56	.56	.55	.55	.55	.54
A	5.0	.58	.58	.56	.57	.56	.55	.55	.55

THV 3-40 COEFFICIENTS OF UTILIZATION

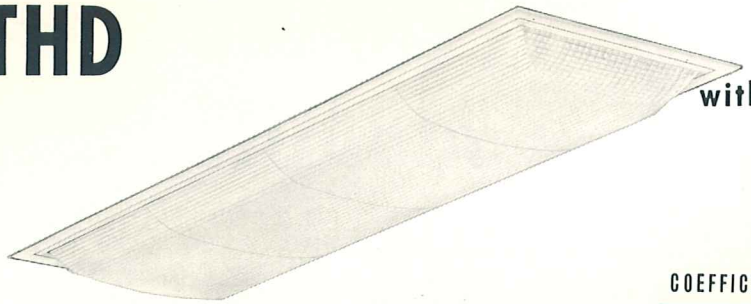
Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.32	.31	.30	.32	.31	.30	.31	.29
I	0.8	.39	.38	.37	.38	.37	.36	.37	.35
H	1.0	.42	.41	.40	.41	.40	.40	.40	.39
G	1.25	.44	.44	.43	.44	.43	.42	.43	.42
F	1.5	.47	.46	.44	.45	.44	.44	.44	.43
E	2.0	.48	.48	.47	.48	.47	.46	.47	.46
D	2.5	.52	.50	.49	.50	.49	.48	.48	.48
C	3.0	.52	.51	.50	.51	.50	.49	.49	.48
B	4.0	.53	.52	.51	.52	.51	.50	.50	.50
A	5.0	.54	.53	.52	.52	.51	.51	.51	.50

FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
THV2-20/TS	2 F20T12	THV2-96	2 F96T12
THV2-40	2 F40T12/RS	THV2-72	2 F72T12
THV3-40	3 F40T12/RS	THV2-48	2 F48T12
THV2-42	4 F40T12/RS 8′ Housing	THV3-96	3 F96T12
		THV3-72	3 F72T12
THV3-42	6 F40T12/RS 8′ Housing	THV3-48	3 F48T12

For troffers with integral trim flange, add letter "F" in front of catalog number.
Example: FTHV2-40

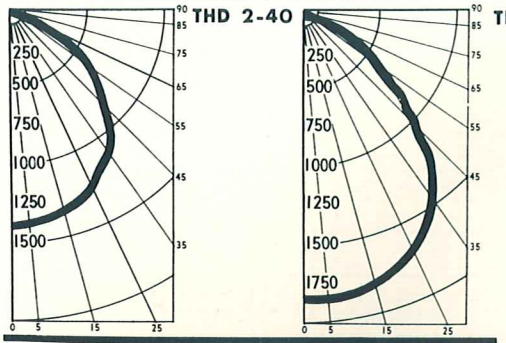
® HOLOPHANE CO., INC.

THD



with HOLOPHANE DISHED CONTROLENS® #9033-9034

CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS

THD 2-40

Vertical Angle	Plane A	Plane B
0°	3.8	3.8
10°	3.8	3.6
20°	3.8	3.5
30°	3.8	3.3
40°	3.9	3.0
45°	3.8	2.8
50°	4.3	2.7
55°	4.4	2.5
60°	3.2	2.1
65°	1.5	1.6
70°	1.0	1.3
80°	1.0	.6
85°	1.0	.4
90°	.8	.2

THD 3-40

Vertical Angle	Plane A	Plane B
0°	5.5	5.5
10°	5.2	5.4
20°	5.3	5.1
30°	5.2	4.9
40°	4.9	4.6
45°	4.6	4.2
50°	4.6	4.0
55°	4.4	3.5
60°	3.1	2.9
65°	1.7	2.2
70°	1.3	1.7
80°	1.4	1.1
85°	1.5	1.1
90°	1.4	.8

THD 2-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.35	.32	.30	.34	.32	.30	.32	.30
I	0.8	.42	.40	.39	.41	.39	.38	.39	.37
H	1.0	.45	.43	.42	.44	.43	.42	.43	.41
G	1.25	.48	.47	.46	.48	.46	.44	.45	.44
F	1.5	.51	.49	.47	.49	.48	.46	.48	.46
E	2.0	.54	.53	.51	.53	.51	.50	.51	.49
D	2.5	.58	.55	.53	.56	.54	.53	.53	.53
C	3.0	.59	.57	.54	.57	.55	.54	.54	.53
B	4.0	.60	.58	.57	.59	.56	.56	.56	.55
A	5.0	.61	.59	.58	.59	.58	.56	.57	.56

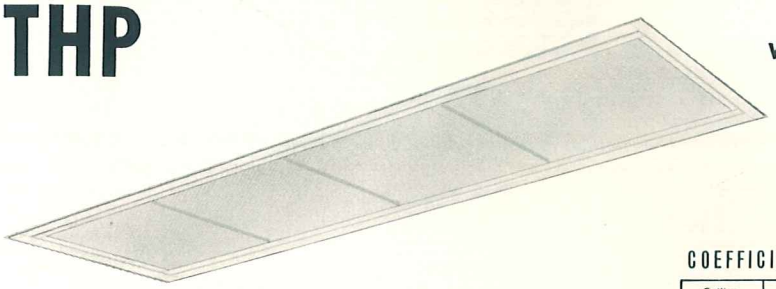
THD 3-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.30	.28	.26	.30	.28	.26	.28	.26
I	0.8	.36	.34	.33	.36	.34	.33	.34	.32
H	1.0	.39	.38	.37	.38	.37	.36	.37	.36
G	1.25	.42	.40	.40	.41	.40	.39	.39	.39
F	1.5	.45	.43	.41	.43	.42	.40	.42	.40
E	2.0	.47	.46	.44	.46	.45	.43	.44	.43
D	2.5	.50	.47	.46	.48	.47	.46	.46	.46
C	3.0	.51	.49	.47	.50	.48	.47	.47	.46
B	4.0	.52	.50	.49	.51	.49	.48	.48	.48
A	5.0	.53	.51	.50	.51	.50	.49	.49	.48

FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
THD2-20/TS	2 F20T12	THD2-96	2 F96T12
THD2-40	2 F40T12 /RS	THD2-72	2 F72T12
THD3-40	3 F40T12 /RS	THD2-48	2 F48T12
THD2-42	4 F40T12 /RS 8′ Housing	THD3-96	3 F96T12
		THD3-72	3 F72T12
THD3-42	6 F40T12 /RS 8′ Housing	THD3-48	3 F48T12

For troffers with integral trim flange, add letter "F" in front of catalog number.
Example: FTHD2-40

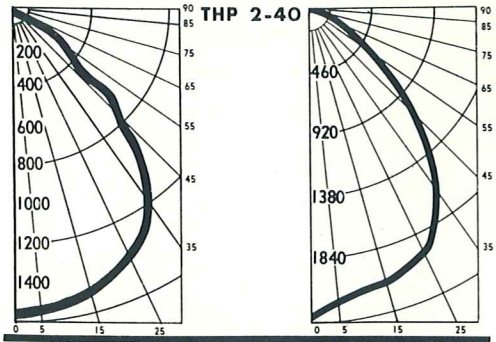
THP



with HOLOPHANE CONTROLENS® #6014

plastic lucite lens

CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS

THP 2-40

Vertical Angle	Plane A	Plane B
0°	4.1	4.1
10°	3.9	3.8
20°	3.9	3.7
30°	4.1	3.4
40°	4.1	2.9
45°	3.2	2.4
50°	2.3	1.7
55°	1.8	1.6
60°	1.3	1.5
65°	.8	1.4
70°	.5	1.2
80°	.5	.9
85°	.3	.9

THP 3-40

Vertical Angle	Plane A	Plane B
0°	6.6	6.6
10°	6.6	6.5
20°	6.6	6.4
30°	6.6	6.1
40°	5.6	5.7
45°	4.1	4.4
50°	3.1	2.9
55°	2.6	2.4
60°	1.8	2.2
65°	1.2	2.0
70°	.8	1.9
80°	.7	1.1
85°	.4	1.5

THP 2-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.36	.34	.33	.35	.34	.33	.34	.32
I	0.8	.43	.42	.41	.42	.41	.40	.41	.39
H	1.0	.46	.45	.45	.45	.45	.44	.45	.43
G	1.25	.49	.49	.48	.49	.47	.47	.47	.46
F	1.5	.52	.50	.49	.50	.49	.49	.49	.48
E	2.0	.54	.53	.52	.53	.52	.51	.52	.50
D	2.5	.57	.55	.54	.55	.54	.54	.54	.53
C	3.0	.58	.57	.55	.57	.55	.54	.54	.54
B	4.0	.59	.57	.57	.57	.56	.55	.55	.55
A	5.0	.59	.59	.57	.58	.57	.56	.56	.55

THP 3-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.32	.31	.30	.32	.31	.30	.31	.29
I	0.8	.39	.38	.37	.38	.37	.36	.37	.35
H	1.0	.42	.41	.40	.41	.40	.40	.40	.39
G	1.25	.44	.44	.43	.44	.43	.42	.43	.42
F	1.5	.47	.46	.44	.45	.44	.44	.44	.43
E	2.0	.48	.48	.47	.48	.47	.46	.47	.46
D	2.5	.52	.50	.49	.50	.49	.48	.48	.48
C	3.0	.52	.51	.50	.51	.50	.49	.49	.48
B	4.0	.53	.52	.51	.52	.51	.50	.50	.50
A	5.0	.54	.53	.52	.52	.51	.51	.51	.50

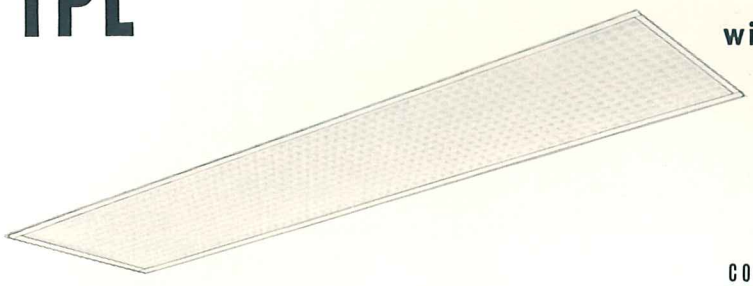
FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
THP2-20/TS	2 F20T12	THP2-96	2 F96T12
THP2-40	2 F40T12/RS	THP2-72	2 F72T12
THP3-40	3 F40T12/RS	THP2-48	2 F48T12
THP2-42	4 F40T12/RS 8′ Housing	THP3-96	3 F96T12
		THP3-72	3 F72T12
THP3-42	6 F40T12/RS 8′ Housing	THP3-48	3 F48T12

For troffers with integral trim flange, add letter "F" in front of catalog number.
Example: FTHP2-40

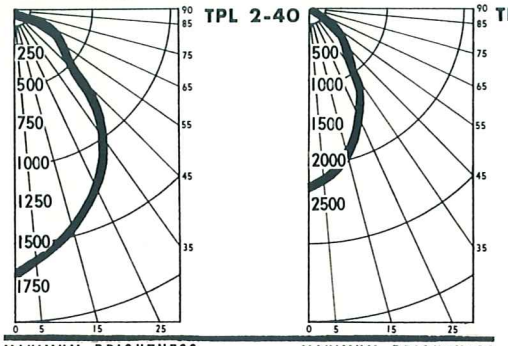
® Holophane Company, Inc.

TPL with PLASTIC LOUVERS

IN HINGED DOOR FRAME
(PROVIDING 40° x 40° SHIELDING)



CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS — TPL 2-40

Vertical Angle	Plane A	Plane B
0°	5.0	5.0
10°	4.7	4.7
20°	3.2	4.1
30°	3.2	3.5
40°	2.5	2.7
45°	2.0	2.1
50°	1.7	1.7
55°	1.5	1.6
60°	1.5	1.5
65°	1.3	1.3
70°	1.2	1.2
80°	1.1	1.0
85°	.5	.8

MAXIMUM BRIGHTNESS — TPL 3-40

Vertical Angle	Plane A	Plane B
0°	6.5	6.5
10°	6.4	6.2
20°	5.6	5.6
30°	4.9	4.6
40°	3.7	3.9
45°	3.1	3.3
50°	2.4	2.7
55°	2.2	2.6
60°	2.1	2.3
65°	1.9	2.1
70°	1.7	1.9
80°	1.2	1.4
85°	1.0	1.3

TPL 2-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.30	.27	.26	.29	.27	.26	.27	.26
I	0.8	.36	.34	.33	.35	.33	.33	.33	.32
H	1.0	.38	.37	.37	.38	.37	.36	.37	.36
G	1.25	.41	.40	.39	.40	.39	.38	.39	.38
F	1.5	.43	.42	.40	.42	.41	.40	.41	.40
E	2.0	.46	.45	.43	.45	.44	.43	.43	.42
D	2.5	.49	.46	.45	.47	.46	.45	.46	.45
C	3.0	.49	.48	.46	.48	.47	.46	.46	.45
B	4.0	.50	.49	.48	.49	.47	.47	.47	.46
A	5.0	.51	.50	.49	.50	.49	.47	.48	.47

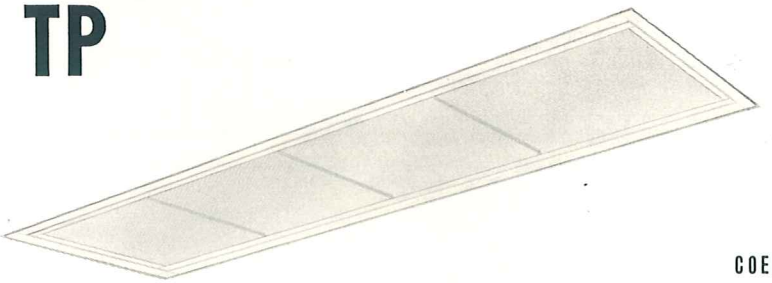
TPL 3-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.28	.26	.25	.27	.26	.25	.26	.24
I	0.8	.33	.32	.31	.33	.31	.31	.31	.30
H	1.0	.36	.35	.34	.35	.34	.34	.34	.33
G	1.25	.38	.37	.37	.38	.37	.36	.36	.36
F	1.5	.40	.39	.38	.39	.38	.37	.38	.37
E	2.0	.42	.42	.40	.42	.41	.40	.40	.39
D	2.5	.45	.43	.42	.44	.43	.42	.42	.42
C	3.0	.46	.45	.43	.45	.44	.43	.43	.42
B	4.0	.47	.45	.45	.46	.44	.44	.44	.43
A	5.0	.47	.46	.45	.46	.45	.44	.45	.44

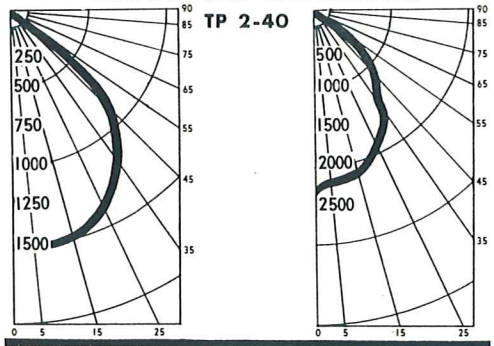
FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
TPL2-20/TS	2 F20T12	TPL2-96	2 F96T12
TPL2-40	2 F40T12/RS	TPL2-72	2 F72T12
TPL3-40	3 F40T12/RS	TPL2-48	2 F48T12
TPL2-42	4 F40T12/RS 8′ Housing	TPL3-96	3 F96T12
		TPL3-72	3 F72T12
TPL3-42	6 F40T12/RS	TPL3-48	3 F48T12

For troffers with integral trim flange, add letter "F" in front of catalog number.
Example: FTPL2-40

TP with PLASTIC LUCITE refractors



CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS — TP 2-40

Vertical Angle	Plane A	Plane B
0°	3.9	3.9
10°	3.7	3.9
20°	3.8	3.7
30°	4.5	3.3
40°	4.7	2.8
45°	3.1	2.4
50°	2.0	2.2
55°	1.4	1.9
60°	1.3	1.2
65°	1.1	1.1
70°	1.0	1.0
80°	1.1	1.1
85°	.7	1.2

MAXIMUM BRIGHTNESS — TP 3-40

Vertical Angle	Plane A	Plane B
0°	6.7	6.7
10°	6.7	6.6
20°	6.4	6.5
30°	6.4	6.4
40°	5.2	6.0
45°	4.0	5.6
50°	2.5	4.4
55°	2.0	2.8
60°	1.6	2.3
65°	1.6	1.9
70°	1.4	1.9
80°	1.6	2.0
85°	1.3	2.0

TP 2-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.35	.33	.31	.35	.33	.31	.33	.31
I	0.8	.42	.40	.40	.42	.40	.39	.40	.38
H	1.0	.45	.44	.44	.45	.44	.43	.44	.42
G	1.25	.49	.47	.47	.48	.47	.45	.46	.45
F	1.5	.51	.50	.48	.49	.49	.47	.49	.47
E	2.0	.54	.53	.51	.53	.52	.51	.51	.50
D	2.5	.58	.55	.54	.56	.54	.53	.54	.53
C	3.0	.58	.57	.54	.57	.56	.54	.54	.54
B	4.0	.60	.58	.57	.58	.56	.56	.56	.55
A	5.0	.60	.59	.58	.59	.58	.56	.57	.56

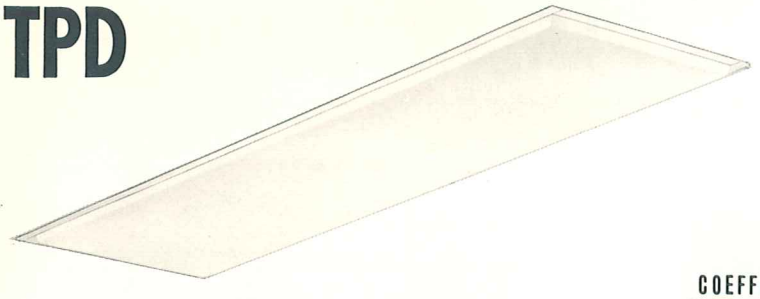
TP 3-40 COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.33	.30	.29	.32	.30	.29	.30	.29
I	0.8	.39	.38	.37	.39	.37	.36	.37	.35
H	1.0	.42	.41	.41	.42	.41	.40	.41	.39
G	1.25	.45	.44	.44	.45	.44	.42	.43	.42
F	1.5	.48	.47	.45	.46	.45	.44	.45	.44
E	2.0	.50	.50	.48	.50	.48	.47	.48	.47
D	2.5	.54	.51	.50	.52	.51	.50	.50	.50
C	3.0	.54	.53	.51	.53	.52	.51	.51	.50
B	4.0	.56	.54	.53	.54	.53	.52	.52	.51
A	5.0	.56	.55	.54	.55	.54	.53	.53	.52

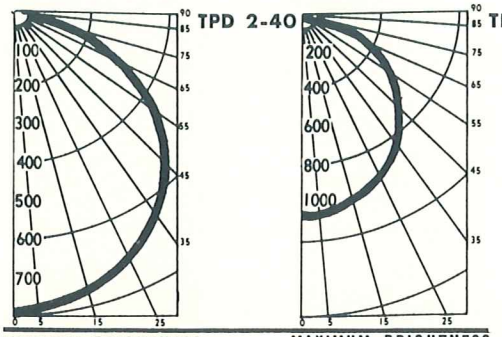
FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
TP2-20/TS	2 F20T12	TP2-96	2 F96T12
TP2-40	2 F40T12/RS	TP2-72	2 F72T12
TP3-40	3 F40T12/RS	TP2-48	2 F48T12
TP2-42	4 F40T12/RS 8′ Housing	TP3-96	3 F96T12
		TP3-72	3 F72T12
TP3-42	6 F40T12/RS 8′ Housing	TP3-48	3 F48T12

For troffers with integral trim flange, add letter "F" in front of catalog number.
Example: FTP2-40

TPD with POLYCRAFT PLASTIC dish



CANDLEPOWER DISTRIBUTION



MAXIMUM BRIGHTNESS

TPD 2-40

Vertical Angle	Plane A	Plane B
0°	1.7	1.7
10°	1.6	1.6
20°	1.6	1.6
30°	1.6	1.6
40°	1.6	1.6
45°	1.6	1.5
50°	1.5	1.5
55°	1.5	1.5
60°	1.5	1.5
65°	1.4	1.4
70°	1.4	1.1
80°	1.2	0.9
85°	1.2	0.8

MAXIMUM BRIGHTNESS

TPD 3-40

Vertical Angle	Plane A	Plane B
0°	2.3	2.3
10°	2.3	2.3
20°	2.2	2.3
30°	2.2	2.2
40°	2.2	2.2
45°	2.1	2.1
50°	2.1	2.1
55°	2.1	2.1
60°	2.0	2.0
65°	2.0	1.9
70°	1.7	1.8
80°	1.5	1.3
85°	1.4	1.1

COEFFICIENTS OF UTILIZATION

TPD 2-40

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.23	.19	.16	.22	.19	.16	.18	.16
I	0.8	.28	.25	.23	.28	.24	.22	.24	.22
H	1.0	.31	.28	.26	.30	.28	.26	.27	.25
G	1.25	.34	.31	.29	.33	.30	.28	.29	.28
F	1.5	.36	.33	.31	.35	.32	.30	.31	.30
E	2.0	.40	.37	.35	.38	.36	.34	.35	.34
D	2.5	.42	.40	.37	.41	.38	.37	.38	.37
C	3.0	.44	.41	.39	.42	.40	.39	.39	.38
B	4.0	.46	.44	.42	.44	.42	.41	.41	.40
A	5.0	.48	.45	.44	.45	.43	.42	.42	.41

COEFFICIENTS OF UTILIZATION

TPD 3-40

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.20	.16	.14	.20	.17	.14	.16	.14
I	0.8	.25	.22	.20	.24	.21	.19	.21	.19
H	1.0	.28	.25	.23	.27	.25	.23	.24	.22
G	1.25	.30	.27	.25	.29	.27	.25	.26	.25
F	1.5	.32	.29	.27	.30	.28	.27	.28	.26
E	2.0	.35	.33	.30	.33	.31	.30	.31	.30
D	2.5	.37	.35	.33	.36	.34	.32	.33	.32
C	3.0	.39	.36	.34	.37	.35	.34	.34	.33
B	4.0	.41	.38	.37	.39	.37	.36	.36	.35
A	5.0	.42	.39	.38	.40	.38	.37	.37	.36

FOR BI-PIN LAMPS (RAPID-START)		FOR SLIMLINE LAMPS (430-MA)	
Catalog No.	**No. and Type of Lamps**	**Catalog No.**	**No. and Type of Lamps**
TPD2-20/TS	2 F20T12	TPD2-96	2 F96T12
TPD2-40RS	2 F40T12/RS	TPD2-72	2 F72T12
TPD3-40RS	3 F40T12/RS	TPD2-48	2 F48T12
TPD2-42RS	4 F40T12/RS 8′ Housing	TPD3-96	3 F96T12
		TPD3-72	3 F72T12
TPD3-42RS	6 F40T12/RS 8′ Housing	TPD3-48	3 F48T12

For troffers with integral trim flange, add letter "F" in front of catalog number.
Example: FTDP2-40

PARTS and ACCESSORIES

SMITHCRAFT PLASTER FRAME

Recommended for use with new plaster ceilings.
(see page 10 and 24)

A2006 (Shipped all assembled—both ends closed)

B2006 (Shipped with plaster frame open one end with couplings supplied — for start or finish of continuous row)

C2006 (Shipped with plaster frame units with both ends open and couplings supplied for continuous rows)

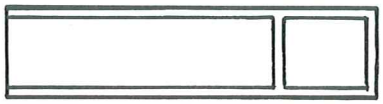
Indicate after catalog number length of frame desired (example: A2006-4 = 4′ long plaster frame closed both ends)

A2006-C (Plaster frame for right angle corner in pattern arrangements. Order one for each right angle corner of pattern.)

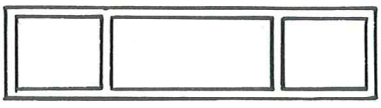
PATTERN BAR GLASS FRAMES

which permit corner effects without use of spot boxes (see page 12). If pattern bars are specified on rough sketch of pattern, we will supply necessary frames.

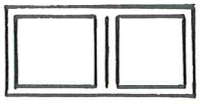
GF-C



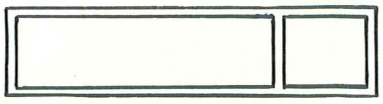
GF-E



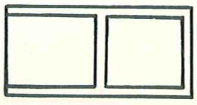
GF-J



GF-D



GF-I



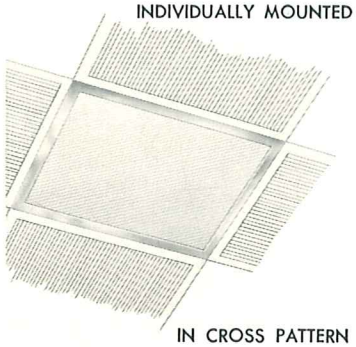
Smithcraft TROFFER SPOT BOXES

Smithcraft Recessed Spot Boxes are designed to be used individually or in conjunction with any of the Smithcraft One-Foot Wide (T-series) troffers. They are available with or without trim flange and may be used in any of the patterns shown below or with plaster frame.

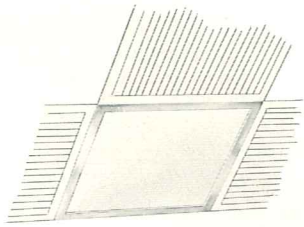
MODULAR TROFFER SPOT BOXES WITHOUT FLANGE



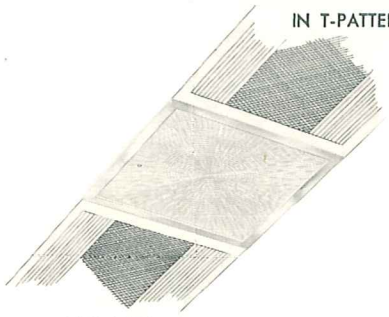
INDIVIDUALLY MOUNTED



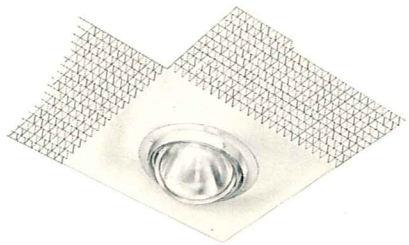
IN CROSS PATTERN



IN T-PATTERN



INTERMEDIATE IN CONTINUOUS ROWS



* IN CORNER PATTERN

* NOTE: Spot Boxes in corner pattern are CBLC, CBRC, CBAC, CBHI and CBDG shown in listing at right.

SBLC and CBLC* — Louvered Fluorescent (22-watt Circline) for general illumination. Matches the installation of louvered troffers with no unsightly breaks in continuous rows or pattern arrangements. Louver hinges on two sides and can be removed without tools.

SBRC and CBRC — Reglex Glass Shielded Fluorescent (22-watt circline) for general illumination. Can be used with glass, lens or plastic shielded troffers. Shielding is contained in hinged door frame.

SBAC and CBAC — Albalite Glass Shielded Fluorescent (22-watt circline) for general illumination. Can be used with Albalite or Plastic Dish shielded troffers. Shielding is contained in hinged door frame.

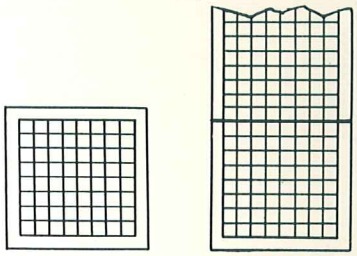
SBHI and CBHI — Holophane Controlens #773 Shielded Incandescent (150-watt-PS-25 Lamp) for intensive accent lighting. Can be used with any type of glass, plastic or lens shielded unit. Shielding is contained in hinged door frame.

SBDG and CBDG — Adjustable Spot Light Incandescent (PAR-38 and PAR-46 side prong spot and flood lamps) for concentrated spot lighting. Lamp may be rotated in any direction . . . particularly effective for controlled high-lighting of merchandise, counters etc.

FLANGED TROFFER SPOT BOXES

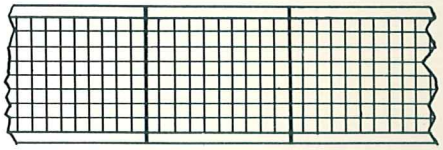
Smithcraft Troffer Spot Boxes are available with flange to produce any of the pattern shown below. The flange is supplied to harmonize with the requirements of the patterns.

INDIVIDUALLY MOUNTED TROFFER SPOT BOX WITH TRIM FLANGE

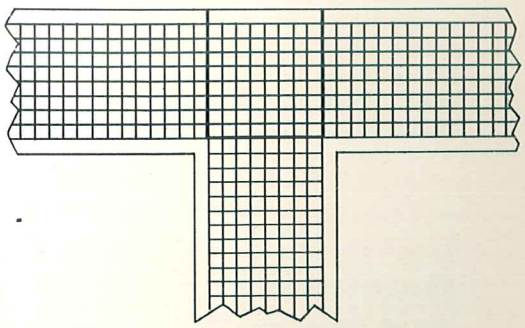


END OF ROW

TROFFER SPOT BOX WITH FLANGE MOUNTED INTERMEDIATE IN CONTINUOUS ROWS

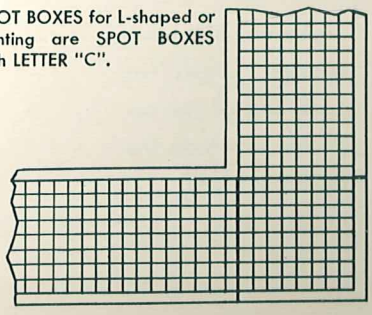


TROFFER SPOT BOX IN T-PATTERN



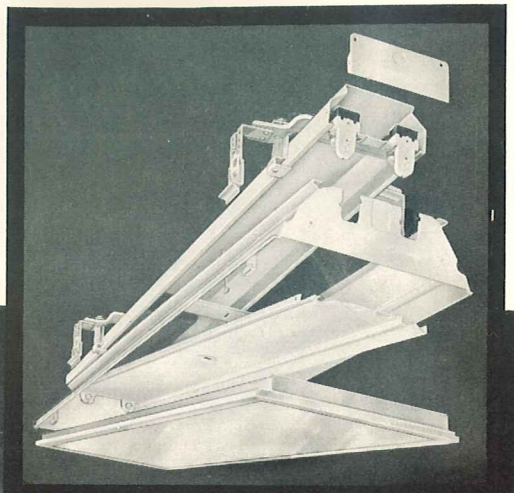
* TROFFER SPOT BOX MOUNTED IN CORNER

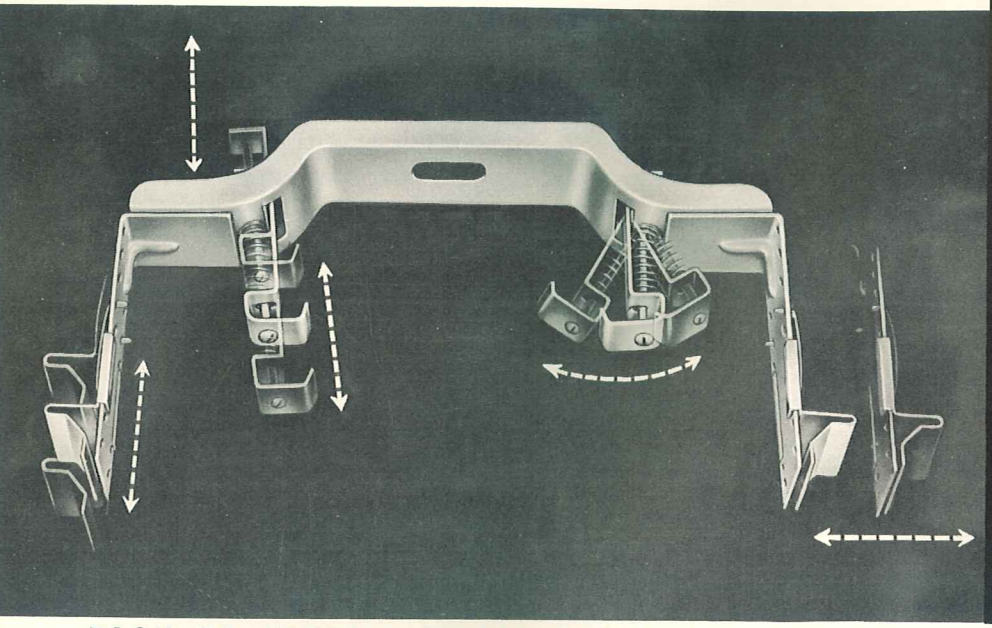
TROFFER SPOT BOXES for L-shaped or corner mounting are SPOT BOXES prefixed with LETTER "C".



TODAY'S EASIEST TO INSTALL RECESSED LIGHTING . . .

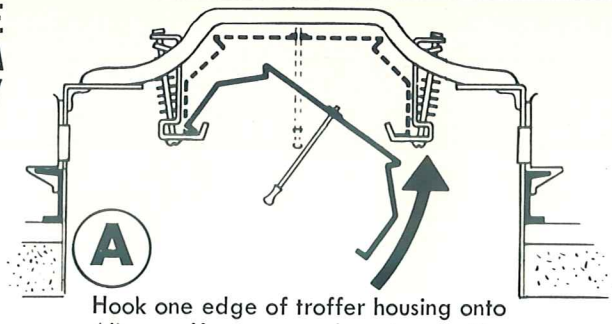
1. Horizontal self-adapting adjustment from 12″ to 14″.
2. Vertical adjustment to meet ceiling conditions.
3. Flexible arms provide automatic lateral adjustment.
4. From start to finish and for final levelling only tool needed is a screwdriver.
5. Longitudinal adjustment — unit slides in hangers until it is in desired position.



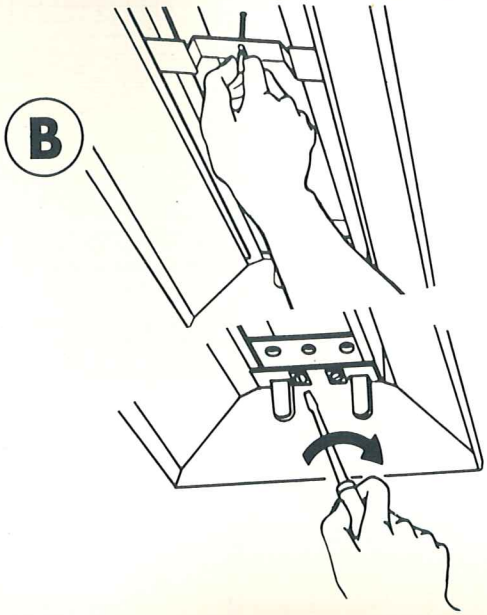


EASY TO INSTALL BECAUSE THERE'S SIMPLE ADJUSTABILITY WHEREVER NEEDED AND A MINIMUM OF PARTS AND ON-THE-JOB ASSEMBLY

The Smithcraft Yoke-Aligner Hanger Assembly comes ready for attachment to the ceiling construction into which the troffer is to be installed. A single-easy-to-handle clip locks the bracket to the ceiling members. Because there's maximum adjustability at every critical point, no exact positioning is required. The only tool required during an entire installation is a screwdriver for final adjustment. These new Smithcraft troffer features save hours and dollars in installation time.

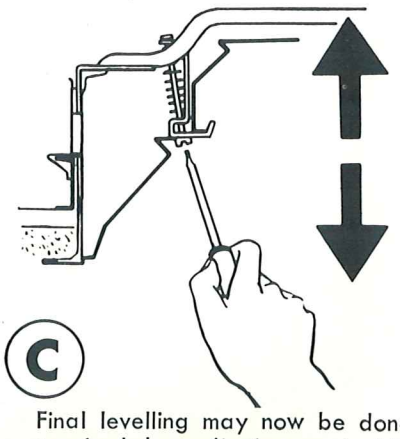


Hook one edge of troffer housing onto Aligner Hangers and swing entire housing into place.



Attach reflector by ¼ turn of thumb screw in center of unit.

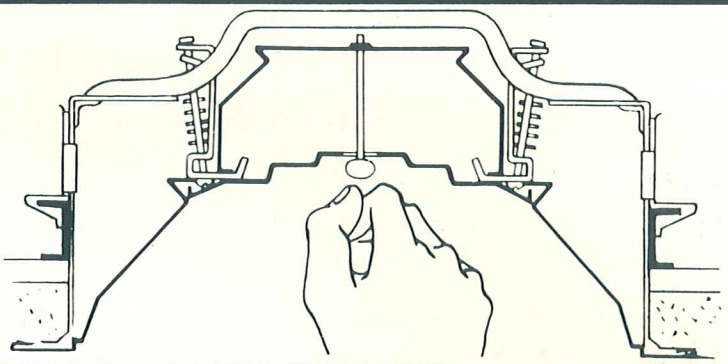
Tightening of the two captive screws at each end of the reflector now locks the troffer in place.

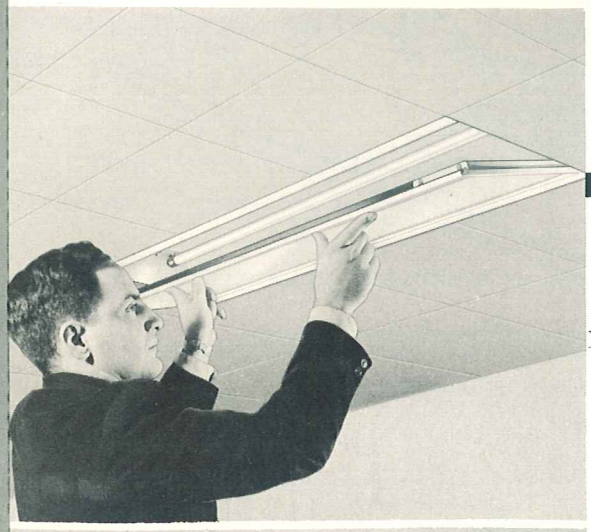


Final levelling may now be done as required by adjusting each Aligner Hanger.

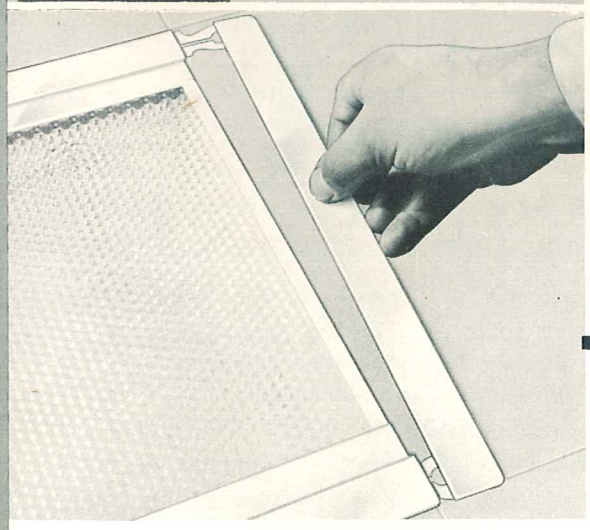
EASY TO INSTALL • EASY TO MAINTAIN

Reflector cover is positioned and tightened with thumb screw. Ballast and electrical components are easily accessible at any time for maintenance by simple removing of lamps and cover.

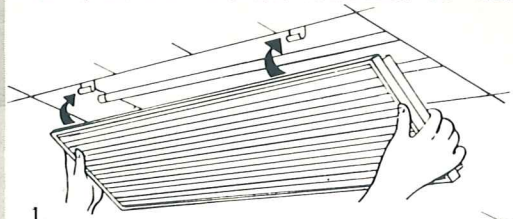






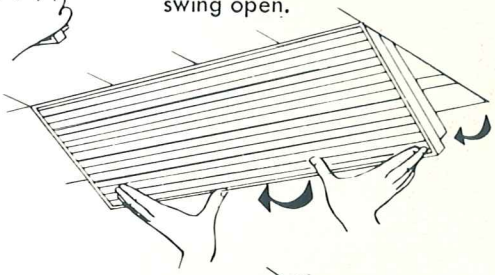


IF THE DIFFUSING MEDIUM IS GLASS, PLASTIC, DISH, ETC.



1. Door frame containing glass, lens, plastic, or plastic louver is simply hooked on.
PATENTS PENDING

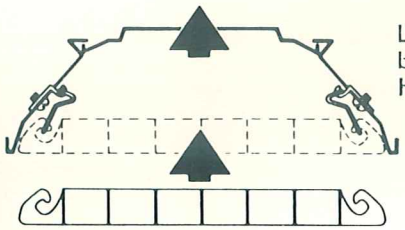
2. To open simply press upwards and allow door frame to swing open.



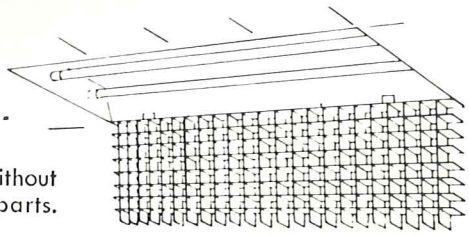
3. Closed by simple pressure upwards. Instantly and positively contact-latched.



IF THE DIFFUSING MEDIUM IS LOUVERED . . .

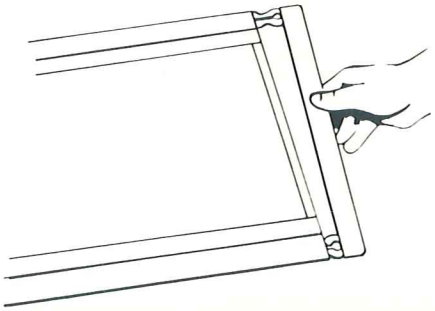


Louver is hinged from either side by Smithcraft's patented Duo-Cam Hangers. PATENT NO. 2,559,640



Can be removed without tools or loose parts.

WHERE FLANGED TROFFERS ARE USED.



Side flanges are an integral part of the troffer. In individual units or at the end of continuous rows, reflector flange end pieces simply slide into position and are positively held without screws or visible catches.

A SMITHCRAFT PLASTER FRAME INSTALLATION SAVES HOURS OF COSTLY INSTALLATION TIME

AND INSURES PERFECT ALIGNMENT AND PLASTER FINISH.

1. Smithcraft Plaster Frame is furnished all assembled for individual mounting. For continuous mounting it may be assembled on the floor if desired. Attain proper length by assembling side sections with couplings (on floor, if convenient). At ends of troffer opening (at ends of runs in continuous rows attach end pieces).

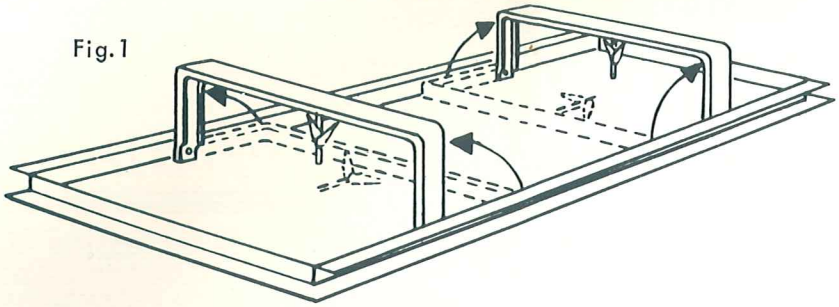
2. Wire Plaster Frame to furring channel.

3. Where plaster is dry, loosen wing bolts and raise cross bracing members 90° to form mounting brackets for troffers. Mount housings with knockouts over toggle bolts as shown in Fig. 2.

4. Attach reflector by quarter turn of thumb screw in center of unit. Turning of the two captive screws at each end of the reflector now locks the troffer in place. (See page 22, Fig. B.)

5. Final levelling may now be done as required by toggle bolts.

Fig. 1



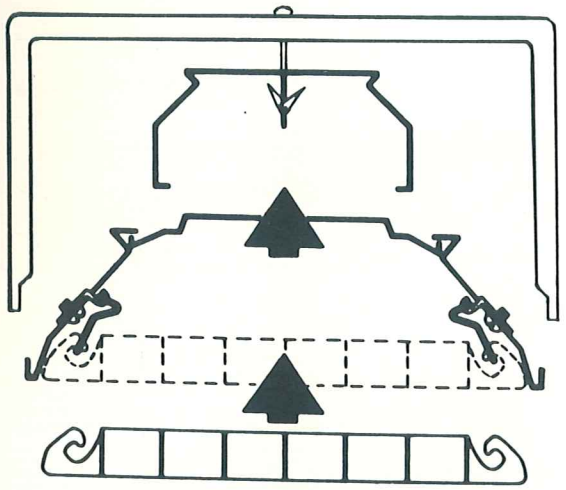
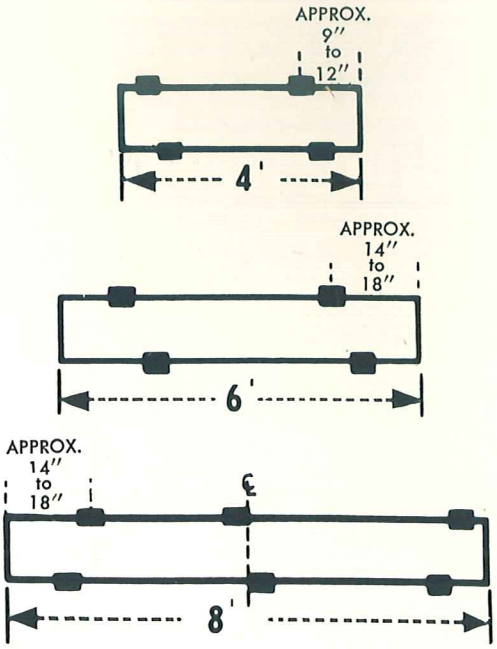
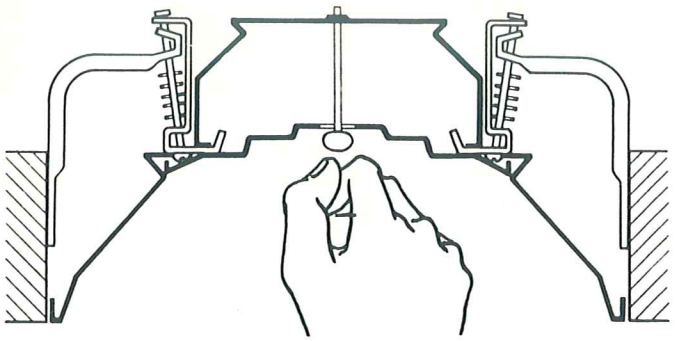


Fig. 2

WHERE TROFFERS ARE INSTALLED IN WOOD FRAMED OPENING, ALIGNER HANGERS ARE USED.





1. Aligner Hangers can be located almost haphazardly without exact positioning.

2. Fasten Aligner Hangers with wood screws.

3. Proceed with mounting troffer, reflector and shielding as shown on pages 22 and 23.

4. Final leveling is accomplished from below after installation by turning easily accessible screws.

TECHNICAL SPECIFICATIONS FOR THE SMITHCRAFT TROFFER

I. GENERAL DESCRIPTION

The fixture shall be a recessed unit, completely wired ready for installation, individually or in continuous rows or in geometric patterns. The troffer shall be architecturally exact modules for precisely 12″ ceiling openings with (or without) integral trim flange. The troffer shall be so designed as to permit installation in all types of ceilings.

II. CONSTRUCTION SPECIFICATIONS

A. YOKE ALIGNER HANGER ASSEMBLY shall be furnished to attach to ceiling supporting members and shall have maximum on-the-job adjustability. Shall permit installation of troffer without need of measuring. Shall be expandable from 12″ to 14″ and shall permit housing to slide longitudinally and move laterally for adjustment. Shall also permit the complete troffer to be raised or lowered after installation by the turning of easily accessible screws.

B. HOUSING: Shall be die-formed of not less than 20 gauge Steel in 2-foot, 4-foot, 6-foot, and 8-foot sections and shall be separated from the reflector permitting access to wiring before or after the reflectors are installed. Housing shall be formed to permit it to be snapped in place on Aligner Hangers. Housing shall enclose ballast and all wiring accessories including lampholders and shall form a wireway for continuous wiring.

C. 1. REFLECTOR: Shall be die-formed of not less than 22-gauge (louvered type — 20-gauge) with ends of 18-gauge steel. Shall be equipped with captive screws for fastening to housing. A removable top cover plate shall be supplied so that access can be made to the entire wiring system without necessity of removing reflector. Cover shall be held in place by a quarter turn captive wing bolt fastener.

C2. REFLECTOR WITH INTEGRAL TRIM FLANGE: Shall be die-formed of not less than 22-gauge steel with ends of 18 gauge steel. Shall be equipped with captive screws for fastening to housing. Reflector shall be formed with integral trim flange on the sides to which may be attached without tools or loose parts trim flange to complete end pieces in continuous row or in individual units.

D. GLASS FRAME ASSEMBLY: Shall be die-formed from 22-gauge steel on side pieces and from 18 gauge steel on end pieces in envelope form permitting the required type of glass to slide into the frame from one end locking the glass securely. Frame shall be hinged and arranged so it can be unhooked from its hinges without the use of tools. Door frame shall be opened or closed by simple pressure upwards. There shall be no visible hinges, catches, bolts or screws.

D. 1. SHIELDING LOUVER ASSEMBLY: Shall be of 22-gauge steel formed in a true egg-crate pattern, providing cutoff from lamp glare of 40° crosswise and 40° lengthwise. The members shall be welded on the inside where they cross without mutilating or deforming the bars or the egg-crate pattern. Shall be hinged through the use of hangers, which permit hinging from either side, with closing and opening accomplished by pressure of the fingers. Louver shall be removable by unhooking, without use of tools or loose parts.

E. PLASTER FRAME: Shall be die-formed of 22-gauge steel with spacing yokes to assure rigidity of the side frames. Spacer yokes to serve as hangers when raised 90 degrees into position. Plaster frame shall contain continuous holes to act as plaster keyways and other well-spaced holes for tying up with lathers wire. Spacer bar-yokes shall be equipped with toggle bolts for mounting and which shall allow final adjustment after installation. The plaster frame shall be designed to permit various forms of geometric pattern lighting as required.

F. FINISH: All surfaces shall be finished with high temperature baked white enamel with reflection factor of not less than 85%.

III. WIRING REQUIREMENTS

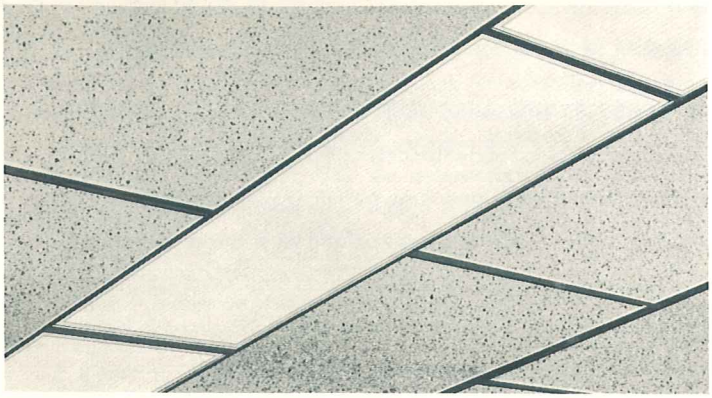
A. The complete unit shall bear the U.L. seal.

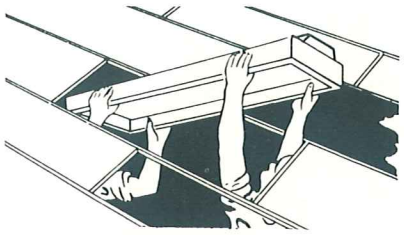
B. The fixture shall bear the label of I.B.E.W., A.F. of L.

Smithcraft 1′ Wide Lay-In GRIDEX TROFFERS

for use in inverted "T" GRID TYPE SUSPENDED CEILINGS

with HINGED STEEL LOUVERS
or with SHIELDING IN HINGED DOOR FRAME





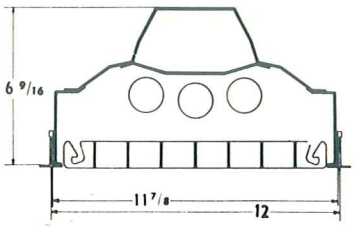
Smithcraft GRIDEX TROFFERS have been designed specifically for use with inverted 1″ "T" grid type suspended ceilings consisting of interlocked tees. These units are available in 4-foot lengths for 2 and 3 Rapid-Start Bi-Pin Lamps. They provide flexible recessed lighting that integrates architecturally with any interior design. This type of lighting is extremely versatile and allows a wide freedom of design in the creation of patterns of light. Gridex Troffers may be moved to meet changing requirements or to create new patterns.

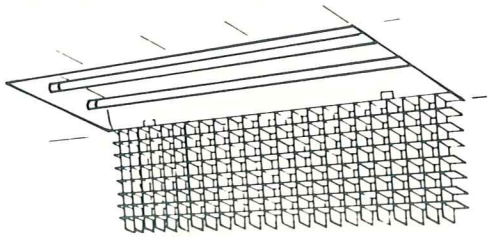
Gridex Troffers are extremely easy to install, individually or in continuous rows. Units are tilted, inserted in the opening and placed in position on the ceiling supporting members. Sufficient knockouts are provided for convenient branch circuiting and housings form a wireway for continuous mounting of units where required.

GRIDEX TROFFERS WITH HINGED STEEL LOUVERS PROVIDING 40° x 40° SHIELDING

Gridex units with Steel Louvers provide a shielding of 40° x 40°, and the louvers are hinged on Smithcraft's patented Duo-Cam Hangers, (Patent #2,559,640). These louvers may be opened or closed from either side. Louvers are permanently welded at each intersection, resulting in exceptional strength and rigidity. The sides of the Gridex Troffer with Steel Louvers are compressible so the troffer may be placed in position on the T-bars from below where there is not sufficient overhead clearance for tilting. (See page 27 for Gridex Troffers shielded with Steel Louvers).

Sides contract to permit installation from below.



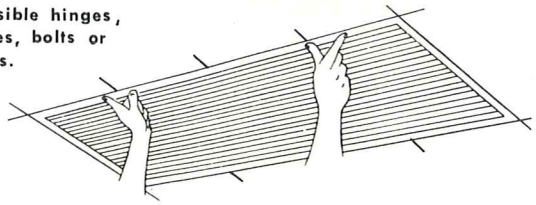


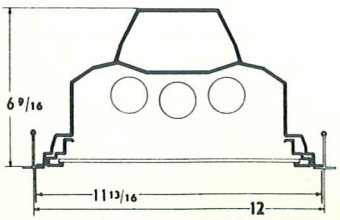
Louvers hinge from either side and can be removed without tools or loose parts.

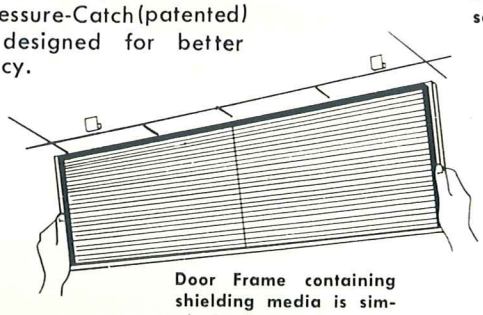
GRIDEX TROFFERS WITH SHIELDING IN HINGED DOOR FRAMES

Shielding medium is contained in door frame which opens or closes by simple pressure upwards with The new exclusive Smithcraft Pressure-Catch (patented) the door - frame is slimly - designed for better appearance and better efficiency.

No visible hinges, catches, bolts or screws.





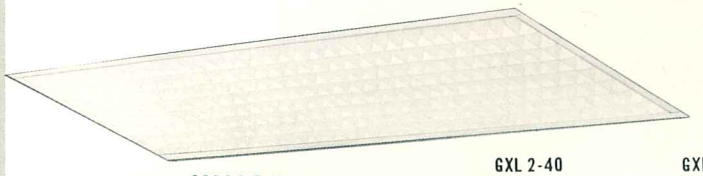


Door Frame containing shielding media is simply hooked on.

To open simply press upwards and allow door frame to swing open. Closed by simple pressure upwards. Instantly and positively contact latched.

1′ Wide Lay-In *GRIDEX* TROFFERS

MAXIMUM BRIGHTNESS — COEFFICIENTS OF UTILIZATION



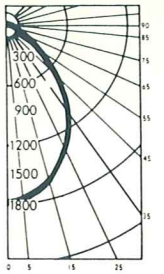
HINGED
STEEL LOUVERS

40° x 40° shielding

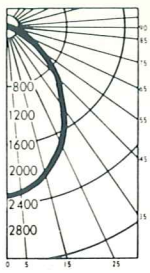
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
GXL2-40	2 F40T12/RS
GXL3-40	3 F40T12/RS

GXL 2-40



GXL 3-40



Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	5.6	5.6
10°	4.7	5.1
20°	4.0	4.9
30°	3.8	3.8
40°	2.6	2.8
45°	2.2	2.2
50°	1.6	1.7
55°	1.5	1.4
60°	1.3	1.3
65°	1.2	1.1
70°	1.0	1.0
80°	0.6	0.9
85°	0.5	0.8
90°	0.2	0.2

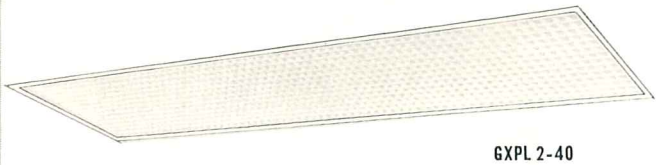
GXL 2-40

Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.30	.26	.23	.29	.26	.23	.29	.26	.23	.29	.25	.23
I	0.8	.38	.33	.30	.36	.32	.29	.36	.33	.29	.34	.32	.29
H	1.0	.43	.38	.35	.41	.37	.34	.41	.37	.34	.40	.36	.34
G	1.25	.48	.43	.39	.45	.41	.38	.46	.42	.39	.44	.40	.38
F	1.5	.52	.47	.43	.48	.44	.41	.49	.45	.42	.47	.44	.41
E	2.0	.57	.52	.49	.52	.49	.46	.53	.50	.47	.50	.48	.45
D	2.5	.60	.56	.52	.54	.52	.49	.56	.53	.50	.52	.50	.48
C	3.0	.63	.59	.56	.56	.53	.51	.58	.55	.53	.54	.52	.50
B	4.0	.66	.63	.60	.58	.56	.54	.61	.58	.55	.56	.54	.53
A	5.0	.68	.65	.63	.60	.58	.56	.63	.61	.59	.57	.56	.55

Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	7.3	7.3
10°	6.6	7.2
20°	5.9	6.6
30°	5.7	5.5
40°	3.4	3.9
45°	2.9	3.3
50°	2.0	2.5
55°	2.3	2.2
60°	2.0	2.0
65°	1.9	1.8
70°	1.6	1.6
80°	1.2	1.3
85°	0.7	1.2
90°	0.3	0

GXL 3-40

Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.28	.25	.22	.28	.24	.22	.28	.24	.22	.27	.24	.22
I	0.8	.35	.31	.28	.34	.30	.28	.34	.31	.28	.33	.30	.28
H	1.0	.40	.36	.32	.38	.35	.32	.39	.35	.32	.37	.34	.32
G	1.25	.45	.40	.37	.42	.38	.36	.43	.40	.37	.41	.38	.35
F	1.5	.49	.44	.40	.45	.42	.39	.46	.42	.38	.44	.41	.38
E	2.0	.53	.49	.45	.48	.45	.43	.50	.46	.44	.47	.44	.42
D	2.5	.56	.52	.49	.51	.48	.46	.52	.49	.47	.49	.47	.45
C	3.0	.59	.55	.51	.52	.50	.48	.54	.51	.49	.51	.49	.47
B	4.0	.62	.59	.56	.54	.52	.50	.57	.55	.52	.52	.51	.50
A	5.0	.64	.61	.59	.56	.54	.53	.59	.57	.55	.54	.53	.52



PLASTIC LOUVERS

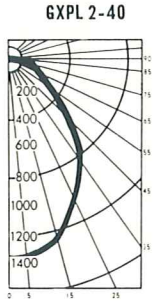
42° x 42° shielding

In Hinged Door Frame

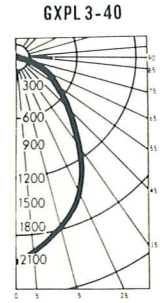
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
GXPL2-40	2 F40T12/RS
GXPL3-40	3 F40T12/RS

GXPL 2-40



GXPL 3-40



Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	5.4	5.2
10°	4.9	4.8
20°	4.3	4.2
30°	3.8	3.6
40°	3.0	2.8
45°	2.3	2.4
50°	2.0	1.9
55°	1.8	1.7
60°	1.6	1.6
65°	1.5	1.4
70°	1.3	1.3
80°	.98	1.0
85°	.51	.74
90°	0	0

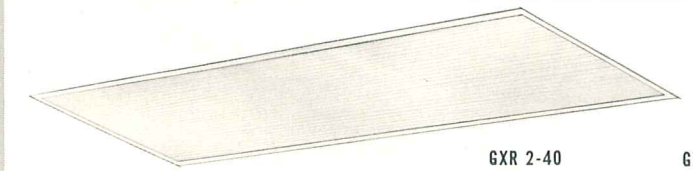
GXPL 2-40

Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.25	.22	.19	.25	.22	.19	.25	.22	.19	.24	.21	.19
I	0.8	.32	.28	.25	.31	.27	.25	.31	.28	.25	.30	.27	.25
H	1.0	.37	.32	.29	.35	.31	.29	.35	.31	.29	.34	.31	.28
G	1.25	.41	.37	.33	.38	.35	.32	.39	.36	.33	.37	.34	.32
F	1.5	.44	.40	.37	.41	.38	.35	.42	.38	.36	.40	.37	.35
E	2.0	.49	.45	.42	.44	.42	.39	.46	.43	.40	.43	.41	.39
D	2.5	.52	.48	.45	.47	.44	.42	.48	.45	.43	.45	.43	.41
C	3.0	.54	.51	.48	.48	.46	.44	.50	.47	.45	.46	.45	.43
B	4.0	.57	.54	.51	.50	.48	.46	.52	.50	.48	.48	.47	.46
A	5.0	.59	.56	.54	.51	.50	.48	.54	.52	.51	.49	.48	.47

Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	6.6	6.8
10°	6.4	6.4
20°	5.8	5.8
30°	5.1	5.0
40°	4.2	4.1
45°	3.6	3.5
50°	3.0	3.0
55°	2.7	2.7
60°	2.4	2.5
65°	2.9	2.3
70°	2.1	2.1
80°	1.5	1.7
85°	.91	1.3
90°	0	0

GXPL 3-40

Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.24	.21	.18	.23	.20	.18	.23	.20	.18	.23	.20	.18
I	0.8	.30	.26	.24	.29	.26	.23	.29	.26	.23	.28	.25	.23
H	1.0	.34	.30	.28	.33	.29	.28	.33	.30	.27	.32	.29	.27
G	1.25	.39	.35	.32	.35	.32	.30	.37	.34	.31	.34	.32	.30
F	1.5	.42	.38	.35	.39	.36	.33	.39	.36	.34	.37	.35	.31
E	2.0	.46	.42	.39	.42	.39	.37	.43	.40	.37	.40	.38	.36
D	2.5	.48	.45	.42	.44	.41	.39	.45	.43	.40	.42	.40	.39
C	3.0	.51	.47	.45	.45	.43	.41	.47	.45	.43	.44	.42	.41
B	4.0	.53	.50	.48	.47	.45	.44	.49	.47	.45	.45	.44	.43
A	5.0	.57	.53	.51	.48	.47	.45	.50	.49	.47	.46	.45	.44



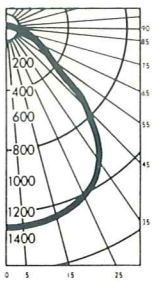
RIBBED GLASS

In Hinged Door Frame

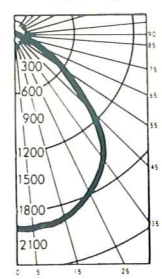
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
GXR2-40	2 F40T12/RS
GXR3-40	3 F40T12/RS

GXR 2-40



GXR 3-40



Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	3.8	3.8
10°	3.8	3.7
20°	3.8	3.5
30°	3.8	3.2
40°	3.6	2.8
45°	2.2	2.8
50°	1.6	2.7
55°	1.4	2.6
60°	1.3	2.2
65°	.84	1.6
70°	.71	1.2
80°	.70	.48
85°	.45	.37
90°	0	0

GXR 2-40

Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.29	.25	.22	.28	.24	.22	.28	.24	.23	.27	.24	.21
I	0.8	.36	.32	.29	.35	.31	.28	.35	.31	.28	.34	.31	.28
H	1.0	.42	.37	.34	.40	.36	.33	.40	.35	.33	.38	.35	.33
G	1.25	.47	.42	.38	.44	.40	.37	.44	.41	.38	.42	.39	.37
F	1.5	.50	.46	.42	.47	.43	.40	.48	.44	.41	.45	.42	.40
E	2.0	.55	.51	.47	.50	.47	.45	.52	.49	.46	.49	.46	.44
D	2.5	.59	.55	.51	.53	.50	.48	.55	.52	.49	.51	.49	.47
C	3.0	.61	.57	.54	.54	.52	.50	.56	.54	.51	.53	.51	.49
B	4.0	.64	.61	.58	.57	.54	.52	.59	.57	.55	.55	.53	.52
A	5.0	.66	.63	.61	.58	.56	.55	.61	.59	.57	.56	.55	.53

Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	6.0	6.3
10°	5.9	6.2
20°	5.7	6.3
30°	5.5	5.7
40°	5.0	4.2
45°	4.7	3.0
50°	4.3	2.1
55°	3.9	1.8
60°	3.2	1.4
65°	2.4	1.3
70°	1.7	1.2
80°	1.3	1.0
85°	0.2	0.5
90°	0	0

GXR 3-40

Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.28	.24	.21	.27	.24	.21	.27	.24	.21	.26	.23	.21
I	0.8	.35	.31	.28	.34	.30	.28	.34	.30	.28	.33	.30	.27
H	1.0	.40	.36	.33	.38	.35	.32	.39	.35	.32	.37	.34	.32
G	1.25	.45	.40	.37	.42	.39	.36	.43	.39	.36	.41	.38	.36
F	1.5	.48	.44	.41	.45	.42	.39	.46	.42	.40	.43	.41	.39
E	2.0	.53	.49	.46	.48	.46	.43	.50	.47	.44	.47	.45	.43
D	2.5	.56	.52	.49	.51	.48	.46	.52	.50	.47	.49	.47	.45
C	3.0	.59	.55	.52	.52	.50	.48	.54	.52	.50	.50	.49	.47
B	4.0	.61	.58	.56	.54	.52	.50	.56	.54	.52	.52	.51	.50
A	5.0	.63	.61	.59	.55	.54	.52	.58	.56	.55	.53	.52	.51



ALBALITE "66"

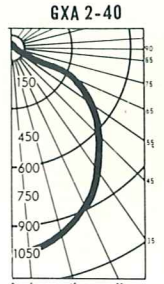
Glass Shielding

In Hinged Door Frame

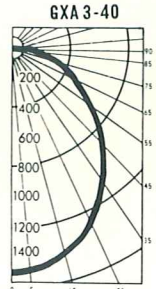
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
GXA2-40	2 F40T12/RS
GXA3-40	3 F40T12/RS

GXA 2-40



GXA 3-40



Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	2.8	2.7
10°	2.7	2.7
20°	2.6	2.6
30°	2.6	2.5
40°	2.5	2.4
45°	2.5	2.4
50°	2.4	2.4
55°	2.3	2.2
60°	2.2	2.1
65°	2.0	2.0
70°	1.7	1.8
80°	1.5	1.4
85°	.7	.7
90°	0	0

GXA 2-40

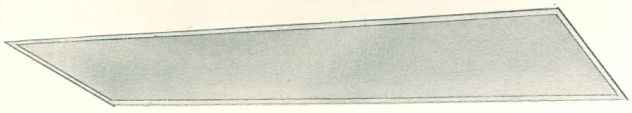
Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.24	.20	.17	.23	.19	.17	.23	.19	.17	.22	.19	.17
I	0.8	.30	.26	.23	.29	.25	.22	.29	.25	.22	.28	.25	.22
H	1.0	.36	.31	.27	.34	.30	.27	.34	.30	.27	.33	.29	.27
G	1.25	.40	.36	.32	.38	.34	.31	.38	.34	.31	.37	.33	.31
F	1.5	.44	.39	.36	.41	.37	.34	.42	.38	.35	.39	.36	.34
E	2.0	.49	.45	.41	.45	.42	.39	.46	.42	.39	.43	.41	.38
D	2.5	.53	.48	.44	.48	.45	.42	.49	.46	.43	.46	.43	.41
C	3.0	.55	.51	.48	.49	.46	.44	.51	.48	.45	.47	.45	.43
B	4.0	.58	.55	.52	.52	.49	.47	.54	.51	.49	.50	.48	.46
A	5.0	.61	.58	.55	.53	.51	.49	.56	.54	.52	.51	.50	.48

Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	4.65	4.54
10°	4.61	4.49
20°	4.44	4.38
30°	4.36	4.24
40°	4.12	4.04
45°	4.07	3.93
50°	3.83	3.79
55°	3.69	3.65
60°	3.54	3.48
65°	3.42	3.30
70°	3.15	3.02
80°	2.76	2.21
85°	1.34	1.19
90°	0	0

GXA 3-40

Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.23	.19	.16	.22	.18	.16	.22	.18	.16	.21	.18	.16
I	0.8	.29	.25	.22	.28	.24	.21	.28	.24	.21	.27	.24	.21
H	1.0	.34	.29	.26	.32	.28	.26	.32	.28	.26	.31	.28	.25
G	1.25	.39	.34	.30	.36	.33	.30	.36	.33	.30	.35	.32	.29
F	1.5	.42	.38	.34	.39	.36	.33	.40	.36	.33	.38	.35	.32
E	2.0	.47	.43	.39	.43	.40	.37	.44	.40	.38	.41	.39	.36
D	2.5	.50	.46	.43	.45	.43	.40	.47	.44	.41	.44	.41	.39
C	3.0	.53	.49	.46	.47	.44	.42	.48	.46	.43	.45	.43	.41
B	4.0	.56	.53	.50	.49	.47	.45	.51	.49	.47	.47	.46	.44
A	5.0	.58	.55	.53	.51	.49	.47	.53	.51	.49	.49	.47	.46

MAXIMUM BRIGHTNESS — COEFFICIENTS OF UTILIZATION

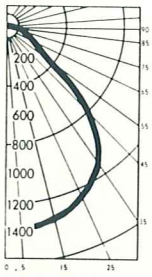


CORNING PATTERN #70

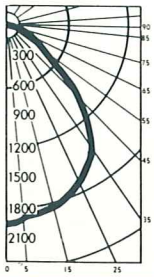
Glass Shielding
In Hinged Door Frame
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
GXS2-40	2 F40T12/RS
GXS3-40	3 F40T12/RS

GXS 2-40



GXS 3-40



Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	4.2	4.3
10°	3.8	4.3
20°	3.7	4.1
30°	3.9	3.7
40°	4.0	3.0
45°	3.4	2.6
50°	2.0	2.1
55°	1.4	1.9
60°	.9	1.5
65°	.6	1.4
70°	.7	1.3
80°	.7	.5
85°	.4	.4
90°	0	0

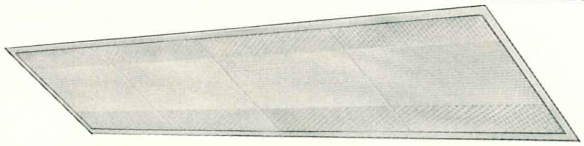
GXS 2-40

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6		.30	.26	.23	.29	.25	.23	.29	.25	.23	.28	.25	.23
I	0.8		.38	.34	.30	.37	.33	.30	.37	.33	.30	.36	.32	.30
H	1.0		.44	.39	.35	.43	.38	.35	.43	.38	.35	.41	.37	.34
G	1.25		.49	.44	.40	.46	.42	.39	.46	.42	.39	.44	.41	.39
F	1.5		.53	.48	.44	.49	.45	.42	.50	.46	.43	.47	.44	.42
E	2.0		.58	.53	.49	.52	.49	.47	.54	.50	.48	.51	.48	.46
D	2.5		.61	.57	.53	.55	.52	.50	.57	.54	.51	.53	.51	.49
C	3.0		.63	.59	.56	.57	.54	.52	.59	.56	.54	.54	.53	.51
B	4.0		.66	.63	.60	.58	.56	.54	.61	.59	.57	.56	.55	.53
A	5.0		.68	.66	.63	.60	.58	.57	.63	.61	.59	.57	.56	.55

GXS 3-40

Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	6.46	6.40
10°	6.40	6.35
20°	6.47	6.23
30°	6.49	5.95
40°	5.77	5.09
45°	4.54	4.35
50°	3.33	3.51
55°	2.24	2.94
60°	1.29	2.29
65°	.83	2.13
70°	.78	1.89
80°	.70	.90
85°	.68	.76
90°	0	0

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6		.27	.23	.20	.26	.23	.20	.26	.23	.20	.25	.22	.20
I	0.8		.34	.30	.27	.33	.29	.27	.33	.29	.27	.32	.29	.26
H	1.0		.39	.34	.31	.37	.33	.31	.37	.33	.31	.36	.33	.31
G	1.25		.43	.39	.35	.40	.37	.35	.41	.38	.35	.39	.36	.34
F	1.5		.46	.42	.39	.43	.40	.37	.44	.40	.38	.42	.39	.37
E	2.0		.51	.47	.44	.46	.44	.41	.48	.45	.42	.45	.43	.41
D	2.5		.54	.50	.47	.48	.46	.44	.50	.47	.45	.47	.45	.43
C	3.0		.56	.53	.50	.50	.48	.46	.52	.49	.47	.48	.46	.45
B	4.0		.58	.56	.53	.51	.50	.48	.54	.52	.50	.50	.48	.47
A	5.0		.63	.59	.57	.53	.52	.50	.56	.54	.53	.51	.50	.49

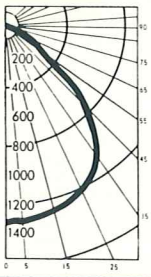


HOLOPHANE CONTROLENS® #9015A

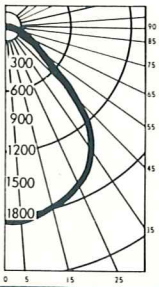
In Hinged Door Frame
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
GXHV2-40	2 F40T12/RS
GXHV3-40	3 F40T12/RS

GXHV 2-40



GXHV 3-40



Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	4.3	4.2
10°	4.3	4.1
20°	4.4	3.9
30°	4.2	3.6
40°	4.0	3.1
45°	3.9	2.4
50°	2.7	1.7
55°	1.9	1.2
60°	1.5	.9
65°	1.2	.8
70°	.9	.8
80°	.8	1.0
85°	.5	.9
90°	0	0

GXHV 2-40

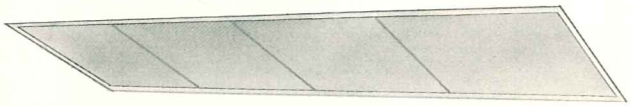
Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6		.29	.25	.22	.28	.24	.22	.28	.24	.22	.27	.24	.22
I	0.8		.37	.32	.29	.35	.31	.29	.35	.32	.29	.34	.31	.28
H	1.0		.43	.37	.34	.40	.32	.33	.40	.36	.33	.38	.35	.33
G	1.25		.46	.42	.38	.44	.40	.37	.44	.41	.38	.42	.39	.37
F	1.5		.50	.45	.42	.47	.43	.40	.47	.44	.41	.45	.42	.40
E	2.0		.55	.51	.47	.50	.47	.45	.51	.48	.46	.48	.46	.44
D	2.5		.58	.54	.51	.52	.50	.47	.54	.51	.49	.50	.48	.47
C	3.0		.60	.57	.54	.54	.52	.50	.56	.53	.51	.52	.50	.49
B	4.0		.63	.60	.57	.55	.53	.52	.58	.50	.54	.54	.52	.51
A	5.0		.65	.63	.61	.57	.55	.54	.60	.58	.56	.55	.54	.53

GXHV 3-40

Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	6.3	6.1
10°	6.3	6.0
20°	6.4	5.9
30°	6.3	5.6
40°	5.8	5.2
45°	5.1	4.2
50°	3.7	2.8
55°	2.6	2.0
60°	2.0	1.5
65°	1.5	1.3
70°	1.1	1.1
80°	1.0	1.3
85°	.8	1.2
90°	0	0

GXHV 3-40

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6		.26	.22	.20	.25	.22	.20	.25	.22	.20	.24	.22	.19
I	0.8		.33	.29	.26	.31	.28	.26	.31	.28	.26	.31	.28	.25
H	1.0		.37	.33	.30	.35	.32	.30	.35	.32	.30	.34	.31	.29
G	1.25		.41	.37	.34	.39	.36	.33	.39	.36	.34	.38	.35	.33
F	1.5		.44	.40	.37	.41	.38	.36	.42	.39	.36	.40	.38	.36
E	2.0		.49	.45	.42	.44	.42	.40	.46	.43	.40	.43	.41	.39
D	2.5		.51	.48	.45	.46	.44	.42	.48	.45	.43	.44	.43	.41
C	3.0		.54	.51	.48	.48	.46	.44	.50	.47	.45	.46	.44	.43
B	4.0		.56	.53	.51	.49	.48	.46	.52	.50	.48	.48	.46	.45
A	5.0		.59	.56	.54	.51	.49	.48	.53	.51	.50	.49	.48	.47

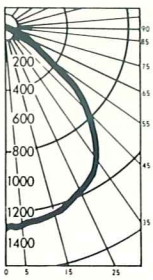


PLASTIC LUCITE REFRACTORS

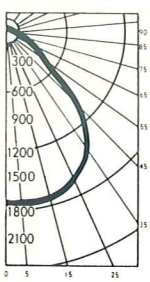
In Hinged Door Frame
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
GXP2-40	2 F40T12/RS
GXP3-40	3 F40T12/RS

GXP 2-40



GXP 3-40



Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	4.1	4.1
10°	4.0	4.0
20°	3.8	3.9
30°	3.9	3.6
40°	4.7	3.0
45°	4.5	2.6
50°	2.2	2.2
55°	1.4	1.3
60°	1.1	1.0
65°	.8	.7
70°	.7	.7
80°	.8	.9
85°	.5	.8
90°	0	0

GXP 2-40

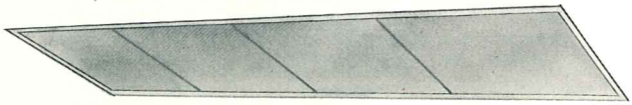
Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6		.29	.25	.22	.29	.24	.22	.28	.24	.22	.27	.24	.21
I	0.8		.36	.32	.29	.35	.31	.28	.35	.31	.28	.34	.31	.28
H	1.0		.42	.37	.34	.39	.36	.33	.40	.36	.33	.38	.35	.33
G	1.25		.47	.42	.38	.44	.40	.37	.44	.40	.38	.42	.39	.37
F	1.5		.50	.46	.42	.47	.44	.41	.48	.44	.42	.46	.43	.41
E	2.0		.55	.51	.47	.50	.47	.45	.52	.48	.46	.49	.46	.44
D	2.5		.58	.54	.51	.53	.50	.48	.54	.51	.49	.51	.49	.47
C	3.0		.61	.57	.54	.54	.52	.50	.56	.54	.51	.52	.50	.49
B	4.0		.64	.61	.58	.56	.54	.52	.59	.56	.54	.54	.53	.51
A	5.0		.66	.63	.61	.58	.56	.54	.61	.59	.57	.55	.54	.53

GXP 3-40

Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	6.3	5.8
10°	6.3	5.7
20°	6.2	5.7
30°	6.3	5.5
40°	5.8	5.0
45°	4.9	4.3
50°	2.6	3.4
55°	2.2	2.0
60°	1.6	1.5
65°	1.1	1.2
70°	1.1	.9
80°	1.2	1.3
85°	.7	1.3
90°	0	0

GXP 3-40

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6		.25	.22	.19	.25	.22	.19	.25	.22	.19	.24	.21	.19
I	0.8		.33	.28	.25	.31	.28	.25	.31	.28	.25	.30	.27	.25
H	1.0		.37	.33	.30	.35	.32	.29	.35	.32	.29	.34	.31	.29
G	1.25		.42	.37	.34	.38	.35	.33	.39	.36	.33	.37	.34	.32
F	1.5		.45	.41	.37	.42	.38	.36	.42	.39	.36	.40	.38	.36
E	2.0		.49	.45	.42	.45	.42	.40	.46	.43	.41	.43	.41	.39
D	2.5		.52	.48	.45	.47	.44	.42	.48	.46	.43	.45	.43	.42
C	3.0		.54	.50	.48	.49	.46	.44	.50	.49	.46	.47	.45	.44
B	4.0		.57	.54	.51	.50	.48	.47	.52	.50	.48	.48	.47	.46
A	5.0		.59	.56	.54	.51	.50	.49	.54	.52	.51	.49	.48	.47

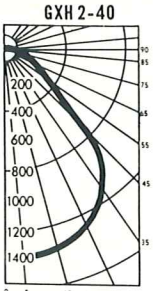


HOLOPHANE (Acrylic Plastic Lens) CONTROLENS® #6014

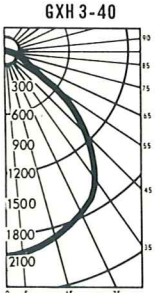
In Hinged Door Frame
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
GXHP2-40	2 F40T12/RS
GXHP3-40	3 F40T12/RS

GXH 2-40



GXH 3-40



Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	4.2	4.2
10°	4.1	4.2
20°	3.9	4.1
30°	3.8	3.8
40°	3.9	3.2
45°	2.9	2.5
50°	2.2	1.7
55°	1.6	1.3
60°	1.3	1.4
65°	.94	1.5
70°	.64	1.5
80°	.48	1.1
85°	.26	.63
90°	0	0

GXH 2-40

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6		.30	.26	.23	.29	.25	.23	.29	.25	.23	.28	.25	.23
I	0.8		.38	.33	.30	.37	.33	.30	.37	.33	.30	.36	.32	.30
H	1.0		.43	.38	.35	.41	.37	.35	.42	.38	.35	.40	.37	.34
G	1.25		.49	.44	.40	.46	.42	.39	.46	.42	.39	.44	.41	.39
F	1.5		.52	.47	.44	.49	.45	.42	.50	.46	.43	.47	.44	.42
E	2.0		.58	.54	.50	.53	.50	.48	.55	.51	.48	.51	.49	.47
D	2.5		.61	.57	.53	.55	.52	.50	.57	.53	.51	.53	.51	.49
C	3.0		.63	.59	.56	.56	.54	.52	.58	.56	.54	.54	.52	.51
B	4.0		.66	.63	.60	.58	.57	.54	.61	.59	.57	.56	.55	.53
A	5.0		.68	.66	.63	.60	.58	.56	.63	.61	.59	.57	.56	.55

GXH 3-40

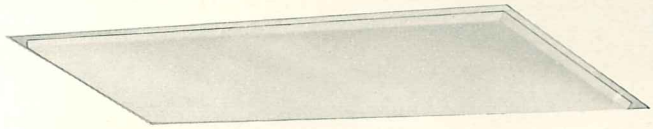
Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	6.3	6.3
10°	6.4	6.2
20°	6.4	6.2
30°	6.2	5.9
40°	5.6	5.3
45°	4.4	4.4
50°	3.2	2.7
55°	2.4	2.1
60°	2.0	2.0
65°	1.5	2.2
70°	1.0	2.2
80°	.79	1.6
85°	.53	1.0
90°	0	0

GXH 3-40

Room Index	Room Ratio	Walls	80% Ceiling 30% Floor 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6		.28	.24	.21	.27	.24	.21	.27	.24	.21	.27	.23	.21
I	0.8		.35	.31	.28	.34	.30	.28	.34	.31	.28	.33	.30	.28
H	1.0		.41	.36	.33	.38	.35	.32	.39	.35	.32	.37	.34	.32
G	1.25		.45	.40	.37	.42	.39	.36	.43	.39	.36	.41	.38	.36
F	1.5		.49	.44	.41	.45	.42	.39	.46	.42	.40	.44	.41	.39
E	2.0		.53	.49	.46	.49	.46	.43	.50	.47	.44	.47	.45	.43
D	2.5		.56	.52	.49	.51	.48	.46	.52	.50	.47	.49	.47	.45
C	3.0		.59	.55	.52	.52	.50	.48	.54	.52	.49	.51	.48	.47
B	4.0		.62	.58	.56	.54	.52	.50	.57	.54	.53	.52	.51	.50
A	5.0		.64	.61	.59	.55	.54	.52	.58	.56	.55	.54	.52	.51

Holophane Company, Inc.

Smithcraft 1′ Wide Lay-In GRIDEX TROFFERS

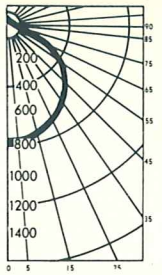


POLYSTYRENE PLASTIC DISH

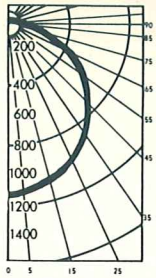
In Hinged Door Frame
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
GXPD2-40	2 F40T12/RS
GXPD3-40	3 F40T12/RS

GXPD 2-40



GXPD 3-40



MAXIMUM BRIGHTNESS

Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	2.05	2.06
10°	2.02	1.99
20°	1.98	1.96
30°	1.95	1.91
40°	1.89	1.89
45°	1.88	1.87
50°	1.83	1.83
55°	1.81	1.76
60°	1.76	1.72
65°	1.68	1.68
70°	1.60	1.53
80°	1.57	1.18
85°	1.53	.83
90°	1.48	.63

COEFFICIENTS OF UTILIZATION — GXPD 2-40

Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.20	.16	.14	.20	.16	.14	.19	.16	.14	.19	.16	.14
I	0.8	.26	.22	.19	.25	.21	.19	.25	.21	.19	.24	.21	.18
H	1.0	.30	.26	.22	.29	.25	.22	.29	.25	.22	.28	.24	.22
G	1.25	.35	.31	.27	.33	.29	.26	.33	.29	.26	.32	.28	.26
F	1.5	.39	.34	.30	.36	.32	.29	.36	.32	.29	.34	.31	.29
E	2.0	.43	.39	.35	.40	.36	.33	.40	.37	.34	.37	.35	.33
D	2.5	.46	.42	.39	.42	.39	.36	.43	.40	.37	.40	.38	.36
C	3.0	.49	.45	.42	.44	.41	.39	.44	.42	.39	.41	.39	.38
B	4.0	.52	.50	.46	.46	.44	.41	.47	.45	.43	.44	.42	.40
A	5.0	.54	.52	.49	.48	.46	.44	.49	.47	.45	.45	.44	.43

GXPD 3-40

Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	3.1	3.0
10°	3.1	3.0
20°	3.0	2.9
30°	3.0	2.9
40°	2.9	2.8
45°	2.9	2.7
50°	2.8	2.7
55°	2.7	2.6
60°	2.6	2.6
65°	2.5	2.4
70°	2.3	2.2
80°	2.2	1.7
85°	2.1	1.1
90°	1.8	1.2

Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.19	.15	.13	.19	.15	.13	.18	.15	.13	.18	.15	.13
I	0.8	.25	.21	.18	.24	.20	.18	.23	.20	.18	.23	.20	.17
H	1.0	.29	.25	.22	.28	.24	.21	.27	.24	.21	.26	.23	.21
G	1.25	.33	.29	.26	.31	.28	.25	.31	.28	.25	.29	.27	.25
F	1.5	.37	.32	.29	.34	.30	.28	.34	.30	.28	.32	.29	.27
E	2.0	.41	.37	.33	.37	.34	.31	.38	.35	.32	.35	.33	.31
D	2.5	.44	.40	.37	.39	.37	.34	.40	.37	.35	.38	.35	.34
C	3.0	.46	.42	.39	.41	.39	.36	.42	.39	.37	.39	.37	.35
B	4.0	.49	.47	.43	.43	.41	.39	.45	.42	.40	.41	.39	.38
A	5.0	.51	.49	.46	.45	.43	.41	.46	.45	.43	.43	.41	.40

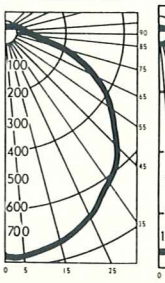


ACRYLIC PLASTIC DISH

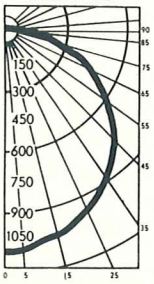
In Hinged Door Frame
FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps
GXAD2-40	2 F40T12/RS
GXAD3-40	3 F40T12/RS

GXAD2-40



GXAD 3-40



Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	1.9	1.9
10°	1.9	1.9
20°	1.9	1.8
30°	1.8	1.8
40°	1.8	1.7
45°	1.7	1.7
50°	1.7	1.7
55°	1.7	1.6
60°	1.6	1.6
65°	1.5	1.5
70°	1.5	1.4
80°	1.5	1.0
85°	1.5	.9
90°	1.5	.8

GXAD 2-40

Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.21	.17	.14	.20	.16	.14	.20	.16	.14	.19	.16	.14
I	0.8	.27	.22	.19	.26	.22	.19	.25	.22	.18	.25	.21	.18
H	1.0	.32	.27	.23	.30	.26	.22	.30	.26	.23	.28	.25	.22
G	1.25	.36	.31	.28	.34	.30	.27	.34	.30	.27	.32	.28	.26
F	1.5	.40	.35	.31	.37	.33	.30	.37	.33	.30	.35	.32	.29
E	2.0	.45	.40	.36	.41	.37	.34	.41	.37	.34	.39	.36	.33
D	2.5	.48	.44	.40	.44	.40	.38	.44	.40	.38	.41	.39	.36
C	3.0	.51	.47	.43	.46	.43	.40	.46	.43	.44	.43	.40	.38
B	4.0	.54	.51	.47	.48	.45	.43	.49	.46	.44	.45	.43	.41
A	5.0	.57	.54	.51	.50	.48	.46	.51	.49	.47	.46	.45	.44

Vertical Angle	Normal to Lamps	Parallel to Lamps
0°	2.9	2.8
10°	2.8	2.7
20°	2.8	2.7
30°	2.7	2.6
40°	2.6	2.6
45°	2.5	2.5
50°	2.4	2.4
55°	2.4	2.4
60°	2.3	2.3
65°	2.3	2.2
70°	2.1	2.1
80°	2.0	1.5
85°	2.0	1.2
90°	1.9	1.1

GXAD 3-40

Room Index	Room Ratio	80% Ceiling 30% Floor Walls 50%	30%	10%	80% Ceiling 10% Floor 50%	30%	10%	50% Ceiling 30% Floor 50%	30%	10%	50% Ceiling 10% Floor 50%	30%	10%
J	0.6	.20	.17	.14	.20	.16	.14	.19	.16	.14	.19	.16	.13
I	0.8	.25	.21	.18	.24	.20	.18	.24	.20	.17	.23	.20	.17
H	1.0	.29	.25	.22	.28	.24	.22	.29	.24	.21	.27	.23	.21
G	1.25	.34	.29	.26	.32	.28	.24	.32	.28	.26	.31	.27	.25
F	1.5	.38	.33	.29	.35	.31	.28	.34	.31	.28	.33	.30	.27
E	2.0	.42	.38	.34	.39	.35	.32	.38	.35	.32	.36	.33	.31
D	2.5	.45	.41	.38	.41	.38	.35	.41	.38	.35	.38	.36	.34
C	3.0	.48	.44	.41	.43	.40	.37	.42	.40	.38	.40	.38	.36
B	4.0	.51	.47	.44	.45	.42	.40	.46	.43	.41	.42	.40	.39
A	5.0	.53	.50	.48	.47	.45	.43	.48	.46	.44	.44	.42	.41

TECHNICAL SPECIFICATIONS FOR THE SMITHCRAFT GRIDEX LAY-IN TROFFER FOR INVERTED 1" "T" GRID TYPE SUSPENDED CEILINGS

1. General Description

The fixture shall be a recessed 40-watt Rapid-Start Bi-Pin unit, completely wired, ready for installation, individually or in continuous rows in inverted 1" "T" grid type suspended ceilings.

2. Construction

A. Housing: Shall be die-formed of not less than 20-gauge steel in 4-foot sections. Sufficient knockouts shall be included for convenient branch circuit feeding. Housing shall enclose ballast and all wiring accessories including lampholders and shall form a wireway for continuous wiring.

B. Reflector: Shall be die-formed of not less than 22-gauge steel with ends of 20-gauge steel. A removable top cover plate shall be supplied so that access can be made to the entire wiring system. Cover shall be held in place by means of a key-hole slot and sheet metal screw.

C. Shielding: Glass-Frame Assembly: Shall be die-formed from 22-gauge steel for side pieces and from 18-gauge steel for end pieces in envelope form permitting the required type of glass to slide into the frame from one end locking the glass securely. Frame shall be hinged and arranged so it can be unhooked from its hinges without the use of tools. Door frame shall be opened or closed by simple pressure upwards. There shall be no visible hinges, catches, bolts, or screws.

C-1. Shielding — Louver Assembly: Shall be of 22-gauge steel formed in egg-crate pattern, providing cutoff from lamp glare of 40° crosswise and 40° lengthwise. The members shall be welded at each intersection on the inside where they cross without mutilating or deforming the bars or the egg-crate pattern. Shall be hinged through the use of hangers, which permit hinging from either side, with closing and opening accomplished by pressure of the fingers. Louver shall be removable by unhooking, without use of tools or loose parts.

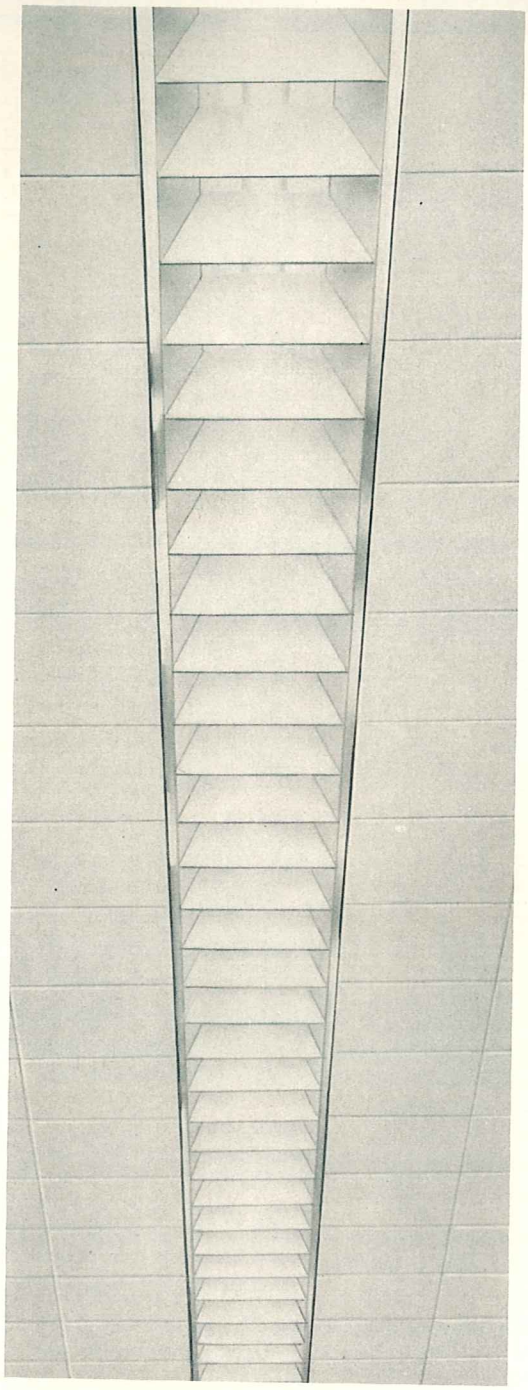
D. Finish: All metal surfaces shall be finished with a Bonderite and high temperature Baked Enamel Finish of not less than 85% reflectance factor.

3. Wiring Requirements

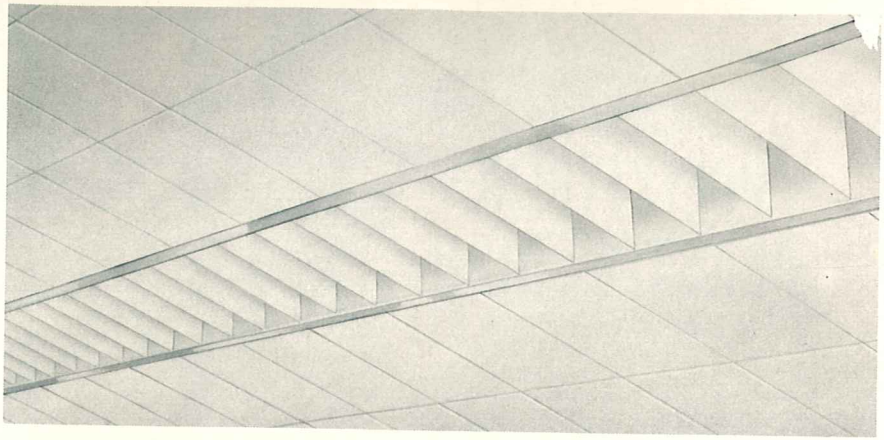
A. Electrical Components: Ballasts shall beCBM-certified high power factor mounted within the housing channel. The ballast and all other electrical components shall bear the U.L. label or be listed as UL-approved. The complete unit shall bear the Underwriter's Laboratory label. The fixture shall bear the label of the International Brotherhood of Electrical Workers A. F. of L.

Smithcraft ALUMINUM TROFFER ALT

CONTROLLED, COMFORTABLE RECESSED LIGHTING



Clean continuous lines of light with no interruptions or end-of-fixture cross-members. Unit provides 45° x 45° Shielding.



LIGHTING CHARACTERISTICS AND APPEARANCE:
The anodized aluminum parabolic reflecting surfaces of the Smithcraft One-Lamp Aluminum Troffer furnish the degree of control important to today's high-intensity lighting. Light is directed at the work, not at the eye, and the result is high-level lighting together with low-bright comfort. Shielding is 45° x 45°. Baffles are on 6" centers. The appearance of this Smithcraft Aluminum Troffer is clean and pleasing when mounted individually or in continuous rows. In continuous rows there is no break in the line of light because there are no interruptions or end-of-fixture cross-members.

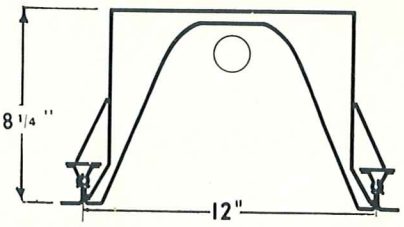
MAINTENANCE FEATURES:
Baffles of the Smithcraft Aluminum Troffer are in a one-piece assembly which comprises the lower half of the reflector for every four feet of troffer. These baffle assemblies hinge from either side and are easy to remove entirely by simple finger action without the use of tools or loose parts. As a result, relamping is fast and easy. The ballast is easily accessible.

INSTALLATION FEATURES:
Installation of Smithcraft Aluminum Troffer is so simplified, installation costs are materially reduced. There are no supporting yokes to install. The troffer housing is positioned on the ceiling supporting members by means of hanging devices which have been attached to the fixture at the factory. The installer can remove all the weight of the troffer housing from his hands simply by placing the housing in the ceiling and allowing the housing to rest on the ceiling supporting members. Approximate vertical adjustment of the housing is attained by means of an easily accessible thumbscrew. Final up and down adjustment for perfect height control is achieved by means of knurled knobs. The upper aluminum reflectors are snapped into position in the housing and the baffle assemblies are then simply installed.

WIRING IS FAST AND EASY:
The housing encloses the ballast and all wiring accessories, including the lampholders, and forms a wire-way for continuous mounting. Because there are no interrupting bridges within the fixture, continuous wiring is simplified, and circuit wiring may be brought into the troffer either through the top or sides. Couplings and end caps are snapped with the fingers into position without the use of tools.

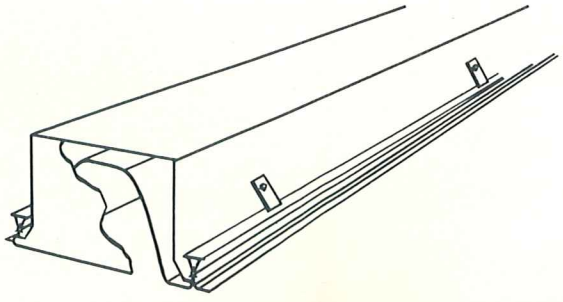
FOR METAL-PAN CEILINGS SUPPORTED BY T-BARS

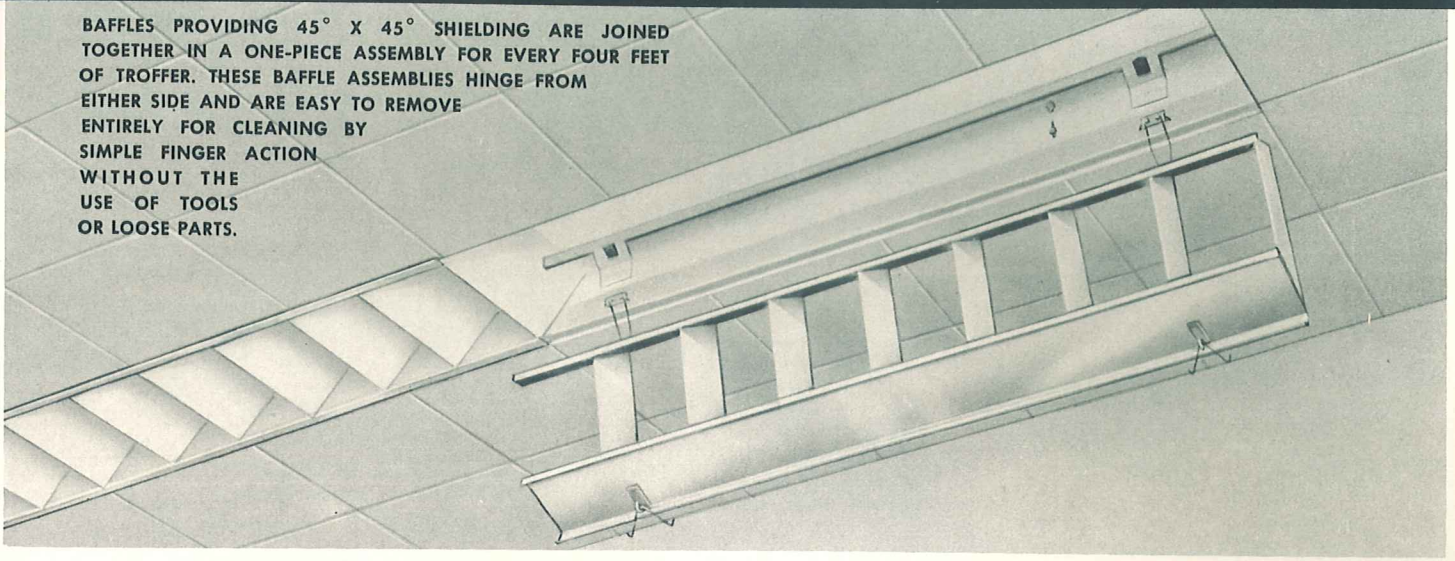
END SECTION DIMENSION



OVERALL LENGTHS

4′ units
individually 48 1/16″
continuous 47 31/32″
8′ units
individually 96 1/16″
continuous 95 31/32″
16′ units
individually 192″
continuous 191 15/16″





BAFFLES PROVIDING 45° X 45° SHIELDING ARE JOINED TOGETHER IN A ONE-PIECE ASSEMBLY FOR EVERY FOUR FEET OF TROFFER. THESE BAFFLE ASSEMBLIES HINGE FROM EITHER SIDE AND ARE EASY TO REMOVE ENTIRELY FOR CLEANING BY SIMPLE FINGER ACTION WITHOUT THE USE OF TOOLS OR LOOSE PARTS.

CATALOG INFORMATION

For Rapid-Start Bi-Pin Lamps

Catalog No.	No. and Type of Lamps
ALTI-40	1 F40T12/RS
ALTI-42	2 F40T12/RS (8′ Housing using two-lamp ballast)

For Slimline Lamps (430-MA)

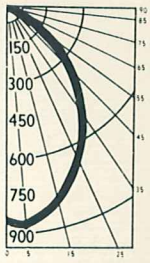
ALTI-96	1 F96T12
ALTI-192	2 F96T12 (2 8′ Housings using two-lamp ballast)

PHOTOMETRIC DATA

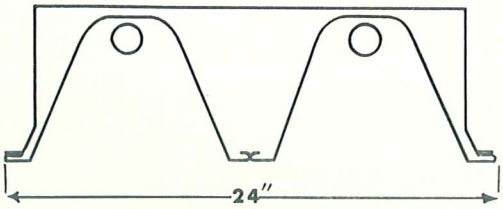
COEFFICIENTS OF UTILIZATION

		80% Ceiling 30% Floor			80% Ceiling 10% Floor			50% Ceiling 30% Floor			50% Ceiling 10% Floor		
Room Index	Room Ratio / Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6	.30	.27	.24	.29	.26	.24	.30	.26	.24	.29	.26	.24
I	0.8	.38	.34	.31	.36	.33	.30	.36	.33	.31	.35	.32	.30
H	1.0	.42	.38	.35	.40	.37	.34	.40	.37	.34	.39	.36	.34
G	1.25	.46	.42	.39	.43	.40	.38	.44	.41	.38	.42	.40	.38
F	1.5	.50	.46	.42	.46	.43	.41	.47	.44	.41	.45	.42	.40
E	2.0	.54	.50	.47	.49	.46	.44	.50	.48	.45	.47	.46	.44
D	2.5	.56	.53	.50	.51	.49	.47	.53	.50	.48	.49	.47	.46
C	3.0	.59	.55	.53	.52	.50	.49	.54	.52	.50	.51	.49	.48
B	4.0	.61	.58	.56	.54	.52	.51	.56	.54	.53	.52	.51	.50
A	5.0	.63	.61	.59	.55	.53	.52	.58	.56	.55	.53	.52	.51

ALT 1-40



TWO FOOT WIDE ALUMINUM TROFFERS



Two 1-lamp units with Parabolic Reflectors designed for side by side installation are also available. Complete information on request.

TECHNICAL SPECIFICATIONS FOR THE SMITHCRAFT ALUMINUM TROFFER

1. The fixture shall be a baffled recessed unit, completely wired, ready for installation, individually or in continuous rows. Troffers shall be architecturally exact modules without trim flange for precisely 12″ ceiling openings.

2. Construction Specifications

A. Housing: Shall be die-formed of not less than 20-gauge steel in 4′ and 8′ sections, and shall be separate from the reflector, permitting access to wiring before reflectors are installed. Housing shall be formed so as to be snapped in place on ceiling supporting members. Hanging devices shall be an integral part of the housing and shall permit vertical adjustment before or after the upper aluminum reflectors are installed. Housing shall enclose ballast and all wiring accessories including lampholders and shall form a wireway for continuous wiring. There shall be no interrupting bridges in continuous wiring. Access to line wiring shall be by means of a port in upper portion of housing which shall be covered by an angle plate after completion of connection.

B. Upper Reflector: Shall be die-formed of not less than .040 aluminum. Shall be installed by snapping into housing.

C. Lower Reflector and Baffle Assembly: Shall be die-formed of not less than .040 aluminum and provide a shielding of 45° x 45°. Shall be one-piece assembly for every 4′ of troffer, and shall be hinged from either side by means of spring-catch and hinge. Shall be removable by simple finger-action.

D. Finish: Housing shall be bonderized and finished in White Supercoat Baked Enamel. Aluminum surfaces shall be finished with an anodic coating for good reflectivity and ease of maintenance.

3. Wiring Requirements:

A. The complete unit shall bear the seal of the Underwriters' Laboratory.

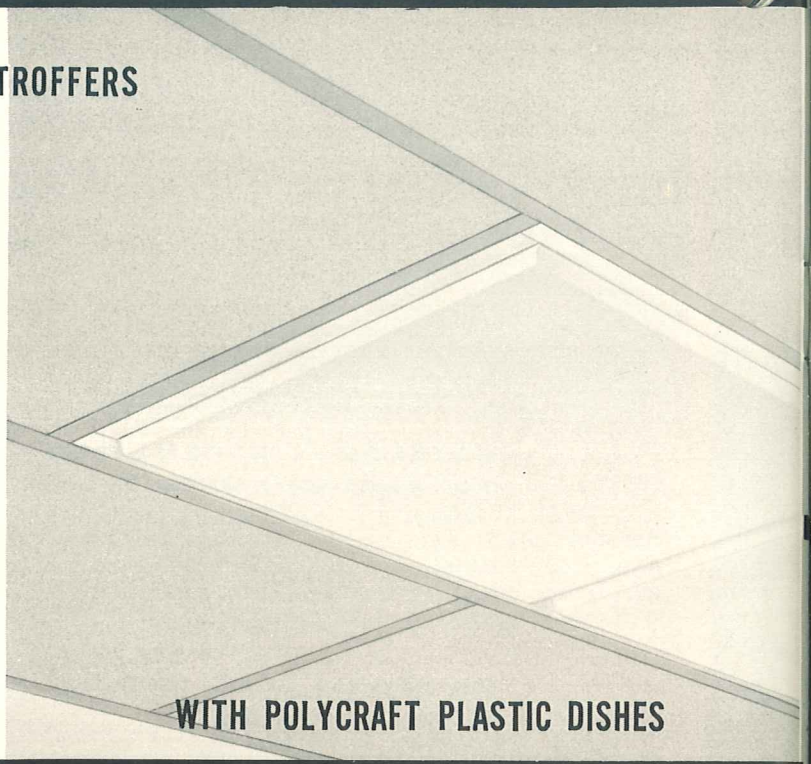
B. The fixture shall bear the label of I.B.E.W., A.F. of L.

8 NEW *Smithcraft* 2-FOOT WIDE TROFFER

METRO TROFFERS



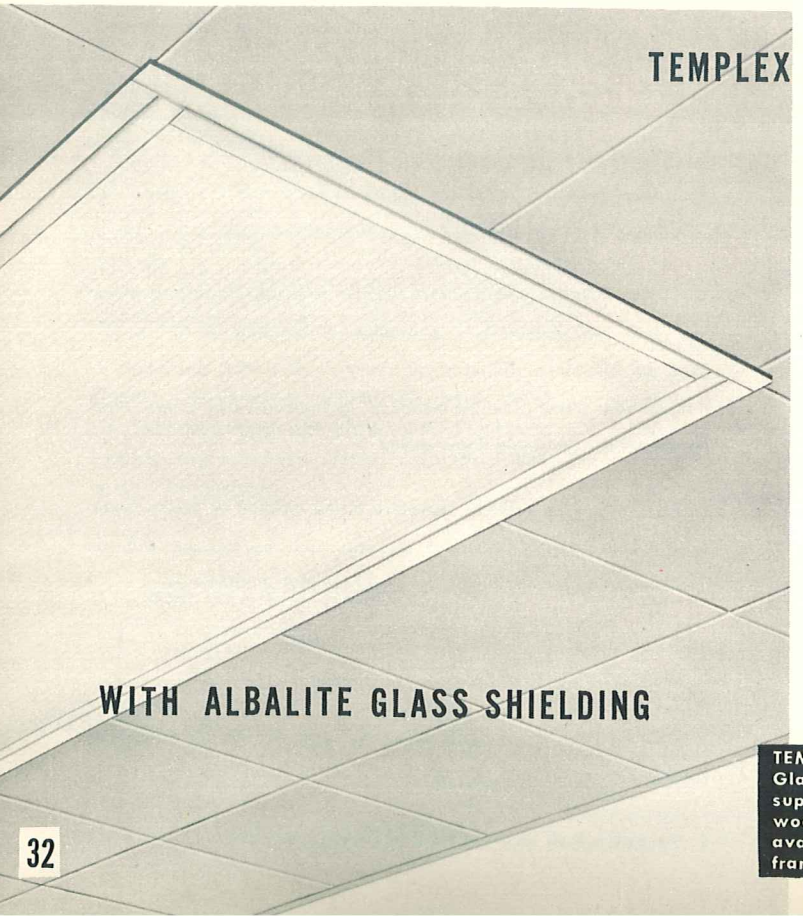
WITH STEEL LOUVERS



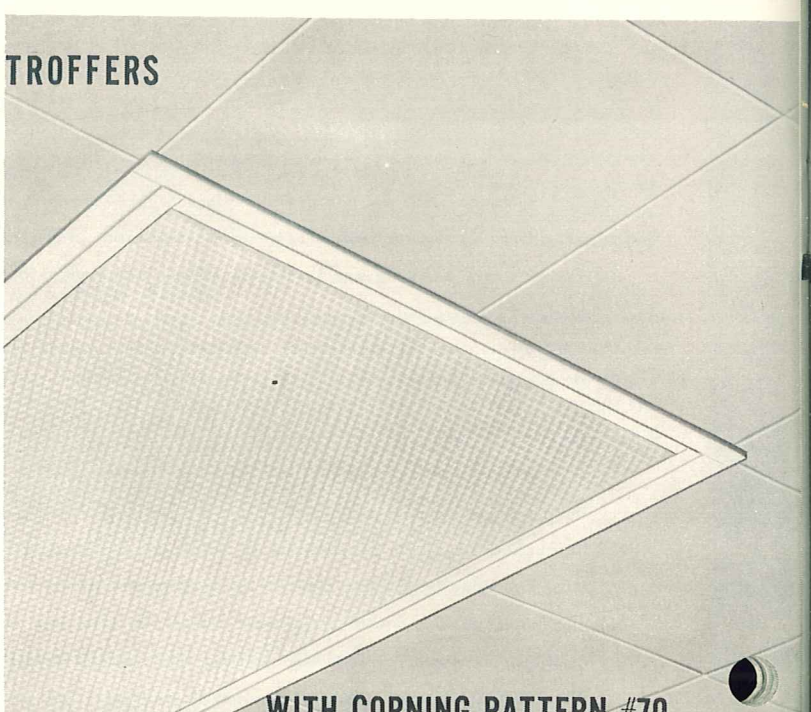
WITH POLYCRAFT PLASTIC DISHES

METRO TROFFERS FOR INVERTED T-GRID SYSTEMS ARE AVAILABLE WITH STEEL LOUVERS, RIBBED GLASS, ALBALITE, CORNING PATTERN #70 PLASTIC LOUVERS AND POLYCRAFT PLASTIC DISHES

TEMPLEX TROFFERS



WITH ALBALITE GLASS SHIELDING



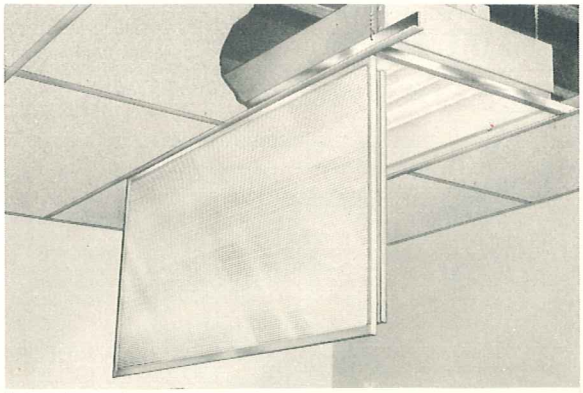
WITH CORNING PATTERN #70

TEMPLEX Troffers are available with Steel Louvers, Plastic Louvers, Ribbed Glass, Albalite, Corning Pattern #70 and Polycraft Plastic Dishes for ceilings supported by 1½" steel channel, Pomeroy, or other structural members, in wood, framed openings and in plaster frame (with integral trim flange). Also available without flange for ceilings supported by T-bars and in plaster frame (where desired).

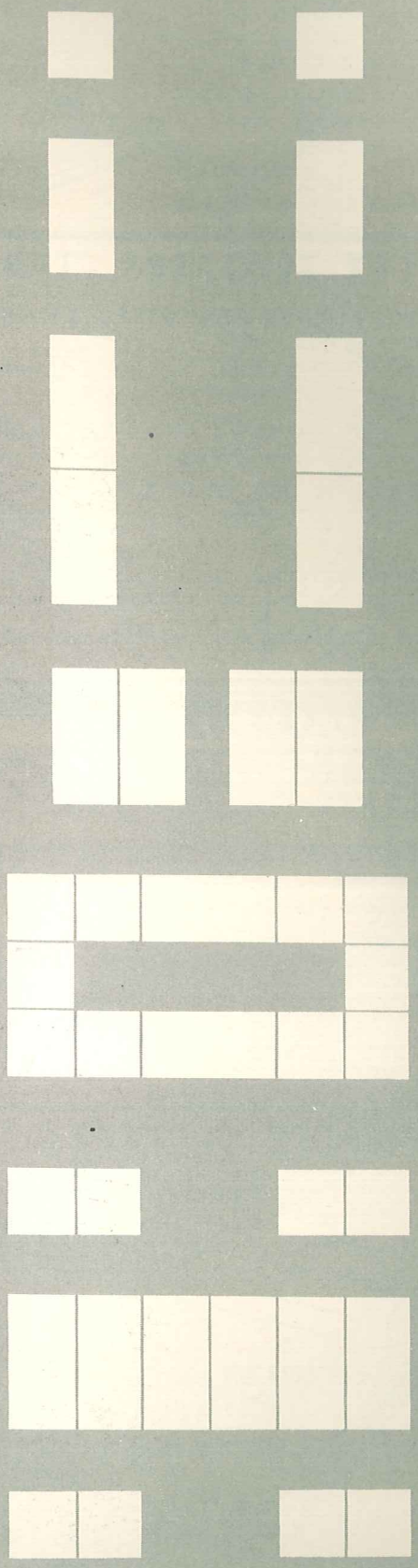
FEATURES TO AID IN YOUR CEILING PLANNING

1. Great flexibility of design . . . wide variety of patterns may be created from standard units.
2. Wide selection of shielding media . . . louvers, glass, plastic dish, etc. on door frames.
3. No visible catches, latches, hinges, bolts or screws.
4. Modern, trim, clean appearance free from light leaks or blemishes. Glass shielding has clean expanse without any interrupting cross members.
5. Architecturally adaptable to today's most common ceiling conditions — METRO TROFFERS (without flange) for inverted "T" grid type systems — TEMPLEX TROFFERS (with flange) for ceilings supported by 1½" steel channel, Pomeroy or other structural members, in wood-framed openings and in plaster frame. TEMPLEX TROFFERS (without flange) for Metal-Pan ceilings supported by T-bars and for plaster frame.
6. Door frame containing glass, lens, or plastic opens or closes by simple pressure upwards. To remove door for cleaning or maintenance, door simply lifts off without tools or loose parts.
7. In louvered units, louvers provide 30° x 30° shielding and are held by Smithcraft's patented Duo-Cam hangers*. . . hinge from either side, close by simple pressure upwards, removed without tools or loose parts by simply lifting off.
8. Easy to install. METRO TROFFERS are lifted into position and placed on inverted "T" bars. TEMPLEX TROFFERS are placed in ceiling opening and hangers are automatically positioned on ceiling supporting members.

*PATENT #2,559,640

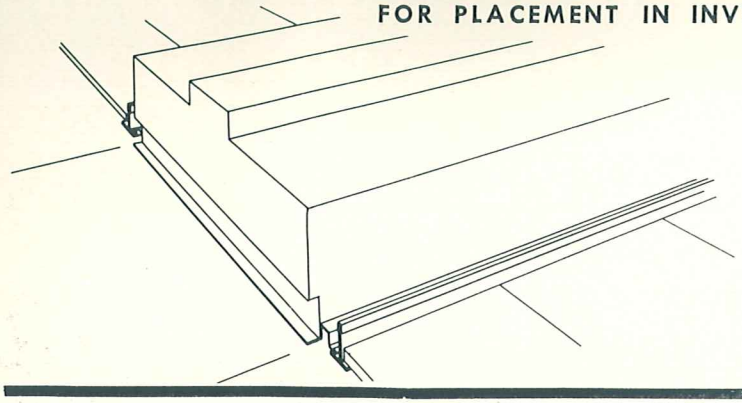


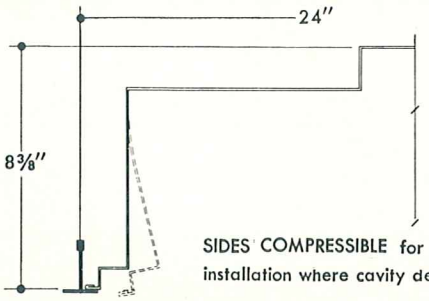
METRO TROFFER



METRO TROFFER (MET—series without flange)

FOR PLACEMENT IN INVERTED T-GRID SYSTEM

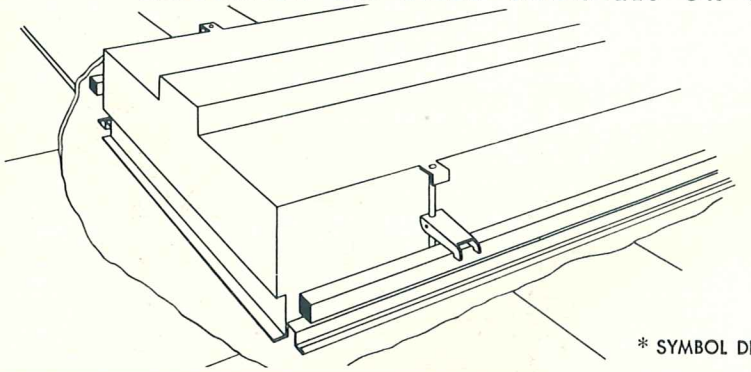


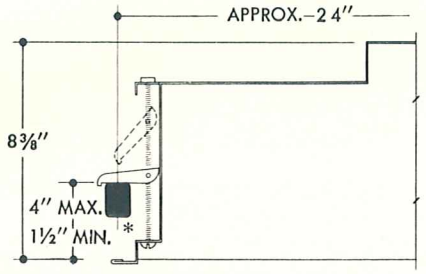


SIDES COMPRESSIBLE for simple installation where cavity depth is limited

TEMPLEX TROFFERS (TEM—series with integral flange)

SUPPORTED ON STEEL CHANNELS OR OTHER STRUCTURAL MEMBERS

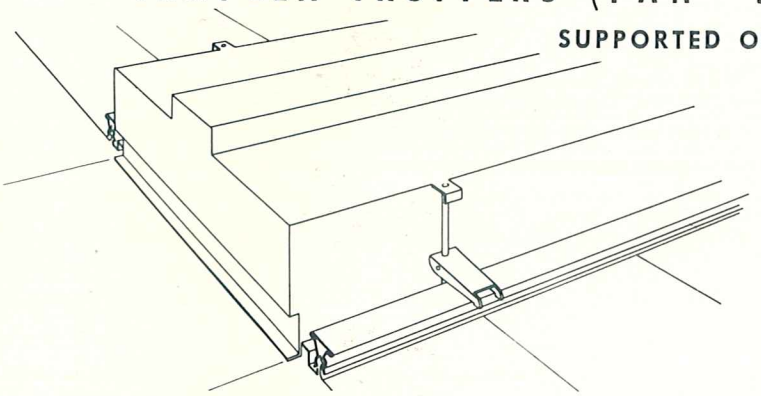


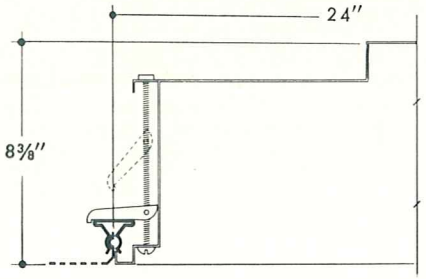


* SYMBOL DESIGNATES 1½" channel, wood framing or any structural steel section.

TEMPLEX TROFFERS (PAN—series without flange)

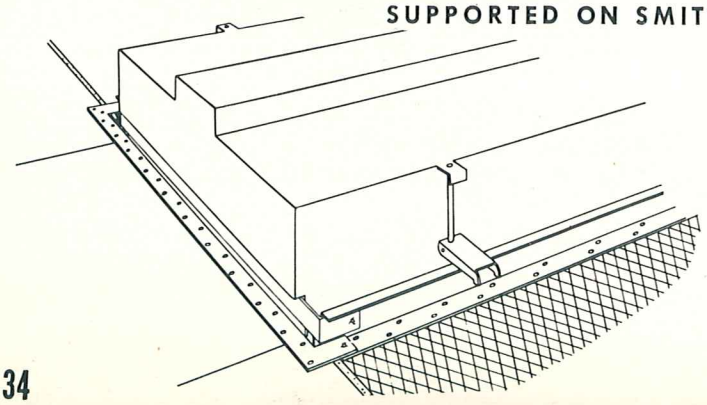
SUPPORTED ON T-BARS

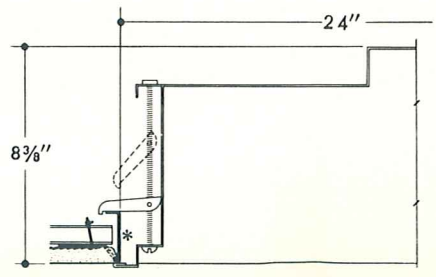




TEMPLEX TROFFERS (TEM—series with integral trim flange, PAN—series without flange)

SUPPORTED ON SMITHCRAFT PLASTER FRAME





* ALSO AVAILABLE for use with plaster frame WITHOUT FLANGE

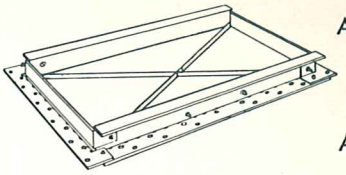
ORDERING INFORMATION

1. **Ordering Smithcraft Troffers:** Specify catalog number of troffers. Specify ceiling construction, cavity depth, how troffer opening is framed. Specify whether for individual or continuous mounting. If continuous row, specify number and length of rows.

2. Smithcraft 2-foot wide troffers for inverted "T" grid systems (lay-in type troffers) are designated METRO troffers and catalog numbers are pre-fixed with letters MET. Troffers for other types of ceiling construction are designated TEMPLEX troffers. TEMPLEX troffers with catalog numbers pre-fixed TEM are flanged troffers for use with 1½" steel channel, Pomeroy or other structural members, in wood-framed openings and in plaster frame, etc. TEMPLEX Troffers with catalog number PAN are for Metal-pan ceilings supported by T-Bars or for use with plaster frame where desired.

3. **Plaster Frame:** Templex troffers may be used (with or without integral trim flange) with plaster frame. Plaster frame is highly recommended for use with new plaster ceilings because it eliminates the expense of building framing at the job and saves hours and dollars in installation time.

Smithcraft Plaster Frame for 2′ wide Troffers is shipped ready for assembly as follows:



A-4406 For 2′ x 4′ troffers for individual mounting or for start of continuous rows

A-4406-x For 2′ x 4′ troffers. Extension units for continuous row mounting

A-4206 For 2′ x 2′ troffers for individual mounting or for start of continuous rows.

A-4206-x For 2′ x 2′ troffers. Extension units for continuous row mounting.

4. Troffers are furnished individually wired not including circuit wires. 118-volt 60 cycle AC is standard on all troffers. Fixtures for other voltages and cycles are available on special order.

5. Lamps are not included. Lamp designations shown are for convenience when ordering from the supplier. The color required should be added to these designations.

STEEL LOUVERS

(providing 30° x 30° shielding)

METRO TROFFERS FOR INVERTED "T" GRID SYSTEMS

2-FOOT WIDE X 4-FOOT LONG TROFFERS		2-FOOT WIDE X 2-FOOT LONG TROFFERS	
Cat. No.	No. and Type of Lamps	Cat. No.	No. and Type of Lamps
MET2-40L	2 F40T12/RS	MET2-20L/TS	2 F20T12
MET3-40L	3 F40T12/RS	MET3-20L/TS	3 F20T12
MET4-40L	4 F40T12/RS	MET4-20L/TS	4 F20T12

TEMPLEX TROFFERS

Templex troffers are furnished with hangers attached for automatic positioning on ceiling supporting members. Troffers with Catalog No. Prefix TEM are flange troffers for use in ceilings supported by 1½" steel channel, Pomeroy, or other steel supporting members, in wood — framed openings and in plaster frame. Troffers Catalog No. Prefix PAN are without flange for use in metal — pan ceilings supported by T-bars. Also may be used with plaster frame if flange troffer is not desired.

2-FOOT WIDE X 4-FOOT LONG TROFFERS			2-FOOT WIDE X 2-FOOT LONG TROFFERS		
Troffer With Integral Trim Flange Catalog No.	Troffer Without Flange for Metal-Pan Ceilings Catalog No.	No. and Type of Lamps	Troffer With Integral Trim Flange Catalog No.	Troffer Without Flange for Metal-Pan Ceilings Catalog No.	No. and Type of Lamps
TEM2-40L	PAN2-40L	2 F40T12/RS	TEM2-20L/TS	PAN2-20L/TS	2 F20T12
TEM3-40L	PAN3-40L	3 F40T12/RS	TEM3-20L/TS	PAN3-20L/TS	3 F20T12
TEM4-40L	PAN4-40L	4 F40T12/RS	TEM4-20L/TS	PAN4-20L/TS	4 F20T12

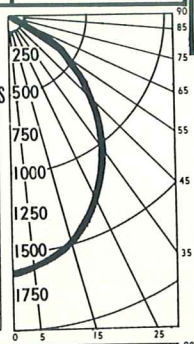
2-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

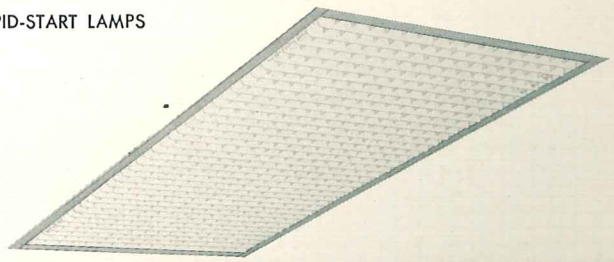
Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.36	.34	.32	.36	.34	.32	.34	.32
I	0.8	.44	.42	.41	.43	.41	.40	.41	.39
H	1.0	.47	.46	.45	.46	.45	.44	.45	.44
G	1.25	.50	.49	.48	.50	.48	.47	.48	.47
F	1.5	.53	.51	.50	.51	.50	.49	.50	.49
E	2.0	.55	.55	.53	.55	.53	.52	.53	.51
D	2.5	.59	.57	.55	.57	.56	.55	.55	.55
C	3.0	.60	.59	.56	.59	.57	.56	.56	.55
B	4.0	.61	.59	.59	.60	.58	.57	.57	.57
A	5.0	.62	.61	.59	.61	.59	.58	.59	.57

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	4.7	4.7
10°	4.5	4.3
20°	4.3	4.1
30°	3.4	3.4
40°	3.0	3.0
45°	2.7	2.2
50°	1.8	1.8
55°	1.2	1.3
60°	.8	.8
65°	.8	.6
70°	.7	.6
80°	.6	.5
85°	.3	.4



FOR RAPID-START LAMPS



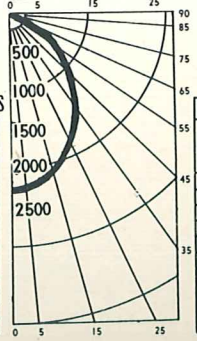
3-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.33	.30	.28	.32	.30	.28	.30	.27
I	0.8	.40	.37	.36	.39	.36	.35	.36	.35
H	1.0	.43	.41	.40	.42	.40	.39	.40	.39
G	1.25	.46	.44	.43	.45	.43	.42	.43	.42
F	1.5	.48	.46	.44	.46	.45	.44	.45	.44
E	2.0	.51	.50	.48	.50	.49	.47	.48	.47
D	2.5	.55	.52	.51	.53	.51	.50	.51	.50
C	3.0	.56	.54	.51	.55	.53	.51	.52	.51
B	4.0	.57	.55	.55	.56	.54	.53	.53	.53
A	5.0	.58	.56	.55	.57	.55	.54	.55	.53

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	5.1	5.1
10°	5.0	5.0
20°	4.7	4.9
30°	3.8	4.4
40°	3.5	3.1
45°	3.3	2.7
50°	2.6	2.2
55°	1.9	1.7
60°	1.4	1.3
65°	1.4	1.1
70°	1.3	1.0
80°	1.0	.8
85°	.4	.7



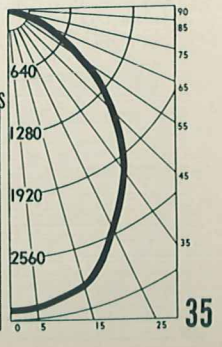
4-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.35	.32	.31	.35	.33	.31	.33	.31
I	0.8	.42	.40	.40	.42	.40	.31	.40	.38
H	1.0	.45	.44	.44	.45	.44	.43	.44	.42
G	1.25	.49	.47	.47	.48	.47	.45	.46	.45
F	1.5	.51	.50	.48	.49	.49	.47	.49	.47
E	2.0	.54	.53	.51	.53	.52	.51	.51	.50
D	2.5	.58	.55	.54	.56	.54	.53	.54	.53
C	3.0	.58	.57	.54	.57	.56	.54	.54	.54
B	4.0	.60	.58	.57	.58	.56	.56	.56	.55
A	5.0	.60	.59	.58	.59	.58	.56	.57	.56

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	5.7	5.7
10°	5.5	5.5
20°	5.6	5.1
30°	5.3	4.9
40°	4.6	3.9
45°	3.4	3.2
50°	2.7	2.4
55°	2.1	1.8
60°	1.8	1.3
65°	1.8	1.3
70°	1.4	1.1
80°	1.2	.9
85°	1.0	.8



RIBBED GLASS

METRO TROFFERS FOR INVERTED "T" GRID SYSTEMS

2-FOOT WIDE X 4-FOOT LONG TROFFERS		2-FOOT WIDE X 2-FOOT LONG TROFFERS	
Cat. No.	No. and Type of Lamps	Cat. No.	No. and Type of Lamps
MET2-40R	2 F40T12/RS	MET2-20R/TS	2 F20T12
MET3-40R	3 F40T12/RS	MET3-20R/TS	3 F20T12
MET4-40R	4 F40T12/RS	MET4- R/TS	4 F20T12

TEMPLEX TROFFERS

Templex troffers are furnished with hangers attached for automatic positioning on ceiling supporting members. Troffers with Catalog No. Prefix TEM are flange troffers for use in ceilings supported by 1½" steel channel, Pomeroy, or other steel supporting members, in wood — framed openings and in plaster frame. Troffers Catalog No. Prefix PAN are without flange for use in metal — pan ceilings supported by T-bars. Also may be used with plaster frame if flange troffer is not desired.

2-FOOT WIDE X 4-FOOT LONG TROFFERS			2-FOOT WIDE X 2-FOOT LONG TROFFERS		
Troffer With Integral Trim Flange Catalog No.	Troffer Without Flange for Metal-Pan Ceilings Catalog No.	No. and Type of Lamps	Troffer With Integral Trim Flange Catalog No.	Troffer Without Flange for Metal-Pan Ceilings Catalog No.	No. and Type of Lamps
TEM2-40R	PAN2-40R	2 F40T12/RS	TEM2-20R/TS	PAN2-20R/TS	2 F20T12
TEM3-40R	PAN3-40R	3 F40T12/RS	TEM3-20R/TS	PAN3-20R/TS	3 F20T12
TEM4-40R	PAN4-40R	4 F40T12/RS	TEM4-20R/TS	PAN4-20R/TS	4 F20T12

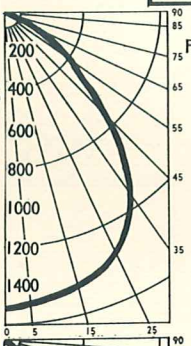
2-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

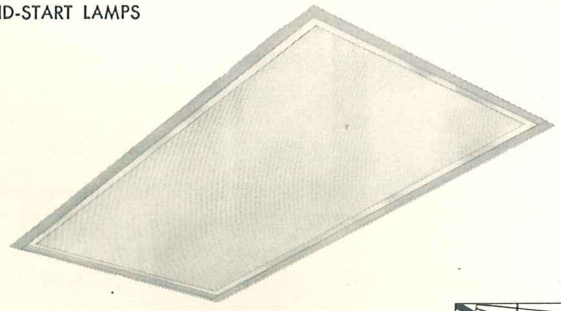
Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.36	.34	.33	.35	.34	.33	.34	.32
I	0.8	.43	.42	.41	.42	.41	.40	.41	.39
H	1.0	.46	.45	.45	.45	.45	.44	.45	.43
G	1.25	.49	.49	.48	.49	.47	.47	.47	.46
F	1.5	.52	.50	.49	.50	.49	.49	.49	.48
E	2.0	.54	.53	.52	.53	.52	.51	.52	.50
D	2.5	.57	.55	.54	.56	.54	.54	.54	.53
C	3.0	.58	.57	.55	.57	.56	.54	.54	.54
B	4.0	.59	.57	.57	.57	.57	.56	.56	.55
A	5.0	.59	.59	.57	.58	.57	.57	.57	.56

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	2.2	2.2
10°	2.2	2.1
20°	1.8	2.0
30°	1.9	1.8
40°	1.4	1.4
45°	1.1	1.2
50°	.8	1.1
55°	.5	1.1
60°	.5	.9
65°	.4	.6
70°	.3	.4
80°	.3	.2
85°	.2	.08



FOR RAPID-START LAMPS



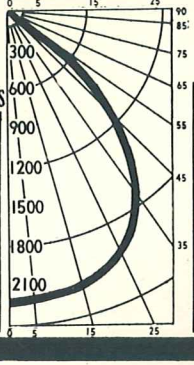
3-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.35	.33	.32	.35	.33	.32	.33	.32
I	0.8	.42	.41	.40	.42	.40	.40	.40	.38
H	1.0	.45	.45	.44	.45	.44	.43	.44	.43
G	1.25	.48	.48	.47	.48	.47	.46	.47	.45
F	1.5	.51	.50	.48	.49	.48	.48	.48	.47
E	2.0	.53	.52	.51	.52	.51	.50	.51	.50
D	2.5	.56	.54	.53	.55	.53	.53	.53	.52
C	3.0	.57	.56	.55	.56	.55	.53	.53	.53
B	4.0	.58	.56	.56	.56	.55	.55	.55	.54
A	5.0	.58	.58	.56	.57	.56	.55	.55	.55

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	2.7	2.7
10°	2.7	2.7
20°	3.1	2.7
30°	3.0	2.7
40°	2.6	2.6
45°	1.7	2.5
50°	1.3	2.2
55°	.7	1.7
60°	.7	1.3
65°	.6	.9
70°	.5	.7
80°	.4	.3
85°	.4	.2



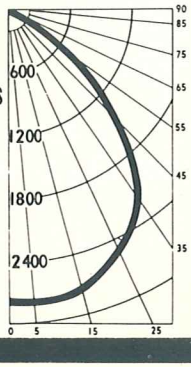
4-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.34	.31	.30	.33	.32	.30	.32	.29
I	0.8	.40	.38	.38	.40	.38	.37	.38	.36
H	1.0	.43	.42	.41	.43	.40	.41	.42	.40
G	1.25	.46	.45	.45	.46	.45	.43	.44	.43
F	1.5	.49	.48	.46	.47	.46	.45	.46	.45
E	2.0	.51	.51	.49	.51	.49	.49	.49	.48
D	2.5	.55	.52	.51	.53	.52	.51	.51	.51
C	3.0	.56	.54	.52	.54	.53	.52	.52	.51
B	4.0	.57	.55	.54	.56	.54	.53	.53	.52
A	5.0	.57	.56	.55	.56	.55	.54	.54	.53

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	3.2	3.2
10°	3.0	3.2
20°	3.3	3.0
30	3.5	2.9
40	3.2	2.6
45	2.0	2.6
50°	1.4	2.6
55°	1.0	2.4
60°	.8	1.9
65°	.8	1.3
70°	.7	1.0
80°	.5	.5
85°	.7	.2



ALBALITE GLASS shielding

METRO TROFFERS FOR INVERTED "T" GRID SYSTEMS

2-FOOT WIDE X 4-FOOT LONG TROFFERS		2-FOOT WIDE X 2-FOOT LONG TROFFERS	
Cat. No.	No. and Type of Lamps	Cat. No.	No. and Type of Lamps
MET2-40A	2 F40T12/RS	MET2-20A/TS	2 F20T12
MET3-40A	3 F40T12/RS	MET3-20A/TS	3 F20T12
MET4-40A	4 F40T12/RS	MET4-20A/TS	4 F20T12

TEMPLEX TROFFERS

Templex troffers are furnished with hangers attached for automatic positioning on ceiling supporting members. Troffers with Catalog No. Prefix TEM are flange troffers for use in ceilings supported by 1½" steel channel, Pomeroy, or other steel supporting members, in wood — framed openings and in plaster frame. Troffers Catalog No. Prefix PAN are without flange for use in metal — pan ceilings supported by T-bars. Also may be used with plaster frame if flange troffer is not desired.

2-FOOT WIDE X 4-FOOT LONG TROFFERS			2-FOOT WIDE X 2-FOOT LONG TROFFERS		
Troffer With Integral Trim Flange Catalog No.	Troffer Without Flange for Metal-Pan Ceilings Catalog No.	No. and Type of Lamps	Troffer With Integral Trim Flange Catalog No.	Troffer Without Flange for Metal-Pan Ceilings Catalog No.	No. and Type of Lamps
TEM2-40A	PAN2-40A	2 F40T12/RS	TEM2-20ATS	PAN2-20A/TS	2 F20T12
TEM3-40A	PAN3-40A	3 F40T12/RS	TEM3-20ATS	PAN3-20A/TS	3 F20T12
TEM4-40A	PAN4-40A	4 F40T12/RS	TEM4-20ATS	PAN4-20A/TS	4 F20T12

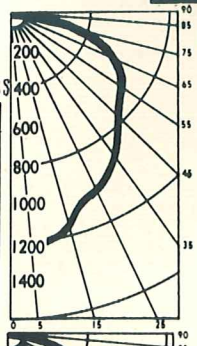
2-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

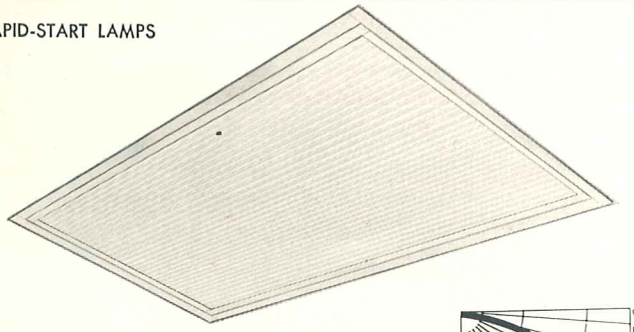
Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.32	.28	.25	.31	.28	.25	.27	.25
I	0.8	.38	.35	.33	.38	.35	.33	.35	.33
H	1.0	.42	.39	.37	.41	.39	.37	.38	.37
G	1.25	.45	.42	.40	.44	.42	.40	.41	.40
F	1.5	.47	.45	.42	.46	.44	.42	.44	.42
E	2.0	.50	.49	.46	.50	.48	.46	.47	.46
D	2.5	.54	.52	.50	.53	.51	.50	.50	.50
C	3.0	.55	.54	.51	.54	.52	.51	.52	.50
B	4.0	.57	.55	.54	.55	.54	.54	.54	.53
A	5.0	.59	.57	.55	.57	.55	.54	.55	.54

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	1.6	1.6
10°	1.4	1.5
20°	1.3	1.4
30°	1.2	1.4
40°	1.1	1.4
45°	1.1	1.1
50°	1.1	1.1
55°	1.0	1.0
60°	1.0	1.1
65°	.9	1.0
70°	.8	.9
80°	.8	.7
85°	.5	.4



FOR RAPID-START LAMPS



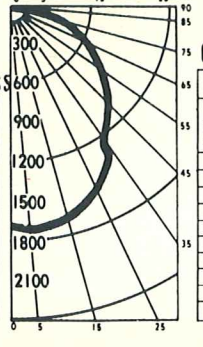
3-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.30	.26	.24	.29	.26	.24	.26	.24
I	0.8	.37	.34	.32	.36	.33	.31	.33	.31
H	1.0	.40	.37	.35	.39	.37	.35	.37	.35
G	1.25	.43	.40	.38	.42	.40	.38	.39	.38
F	1.5	.45	.43	.40	.44	.42	.40	.41	.40
E	2.0	.48	.46	.44	.47	.46	.44	.45	.44
D	2.5	.52	.49	.47	.50	.49	.47	.48	.47
C	3.0	.53	.51	.49	.52	.50	.49	.49	.48
B	4.0	.55	.53	.52	.53	.52	.51	.51	.50
A	5.0	.56	.54	.52	.55	.53	.52	.52	.51

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0	2.2	2.2
10	2.0	2.1
20	1.9	2.1
30	1.8	2.1
40°	1.8	2.0
45°	1.8	1.9
50°	1.6	1.8
55°	1.6	1.8
60	1.5	1.6
65°	1.5	1.5
70°	1.3	1.3
80°	1.1	1.0
85°	.8	.7



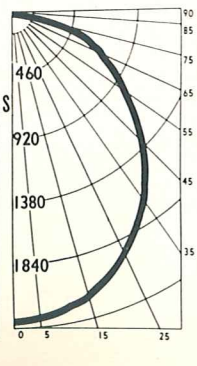
4-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.30	.26	.24	.29	.26	.24	.25	.24
I	0.8	.36	.33	.31	.35	.32	.31	.32	.31
H	1.0	.39	.36	.34	.38	.36	.34	.36	.34
G	1.25	.42	.40	.38	.41	.40	.38	.38	.38
F	1.5	.44	.42	.40	.43	.41	.40	.41	.39
E	2.0	.47	.45	.43	.47	.45	.43	.44	.43
D	2.5	.51	.48	.47	.50	.48	.47	.47	.47
C	3.0	.52	.50	.48	.51	.49	.48	.48	.47
B	4.0	.54	.52	.51	.49	.51	.50	.50	.50
A	5.0	.55	.53	.51	.54	.52	.51	.51	.50

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0	2.6	2.6
10	2.4	2.5
20	2.4	2.5
30	2.3	2.4
40	2.2	2.3
45	2.1	2.2
50	2.1	2.1
55	2.0	2.0
60	1.9	1.9
65	1.8	1.7
70	1.7	1.5
80	1.6	1.1
85	1.5	.8



CORNING #70 glass

METRO TROFFERS FOR INVERTED "T" GRID SYSTEMS

2-FOOT WIDE X 4-FOOT LONG TROFFERS		2-FOOT WIDE X 2-FOOT LONG TROFFERS	
Cat. No.	No. and Type of Lamps	Cat. No.	No. and Type of Lamps
MET2-40S	2 F40T12/RS	MET2-20S/TS	2 F20T12
MET3-40S	3 F40T12/RS	MET3-20S/TS	3 F20T12
MET4-40S	4 F40T12/RS	MET4-20S/TS	4 F20T12

TEMPLEX TROFFERS

Templex troffers are furnished with hangers attached for automatic positioning on ceiling supporting members. Troffers with Catalog No. Prefix TEM are flange troffers for use in ceilings supported by 1½" steel channel, Pomeroy, or other steel supporting members, in wood — framed openings and in plaster frame. Troffers Catalog No. Prefix PAN are without flange for use in metal — pan ceilings supported by T-bars. Also may be used with plaster frame if flange troffer is not desired.

2-FOOT WIDE X 4-FOOT LONG TROFFERS			2-FOOT WIDE X 2-FOOT LONG TROFFERS		
Troffer With Integral Trim Flange Catalog No.	Troffer Without Flange for Metal-Pan Ceilings Catalog No.	No. and Type of Lamps	Troffer With Integral Trim Flange Catalog No.	Troffer Without Flange for Metal-Pan Ceilings Catalog No.	No. and Type of Lamps
TEM2-40S	PAN2-40S	2 F40T12/RS	TEM2-20S/TS	PAN2-20S/TS	2 F20T12
TEM3-40S	PAN3-40S	3 F40T12/RS	TEM3-20S/TS	PAN3-20S/TS	3 F20T12
TEM4-40S	PAN4-40S	4 F40T12/RS	TEM4-20S/TS	PAN4-20S/TS	4 F20T12

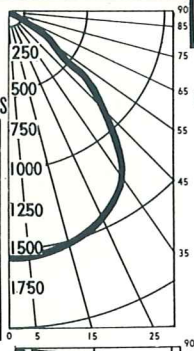
2-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

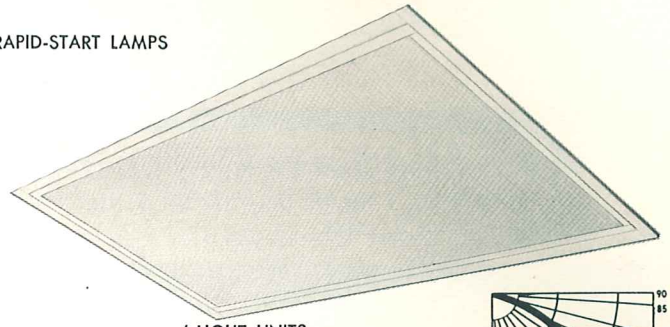
Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.37	.35	.33	.44	.35	.33	.35	.33
I	0.8	.45	.43	.42	.44	.42	.41	.42	.40
H	1.0	.48	.47	.46	.48	.46	.46	.46	.45
G	1.25	.52	.50	.50	.51	.50	.48	.49	.48
F	1.5	.54	.53	.51	.52	.52	.50	.52	.50
E	2.0	.57	.56	.54	.57	.55	.54	.54	.53
D	2.5	.61	.58	.57	.59	.58	.56	.57	.56
C	3.0	.62	.61	.58	.61	.59	.58	.58	.57
B	4.0	.63	.61	.61	.62	.60	.59	.59	.58
A	5.0	.64	.63	.61	.63	.61	.60	.61	.59

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	2.4	2.4
10°	2.5	2.3
20°	2.5	2.1
30°	2.2	1.9
40°	1.7	1.4
45°	1.6	1.1
50°	1.2	.9
55°	.9	.8
60°	.6	.7
65°	.4	.6
70°	.3	.6
80°	.3	.5
85°	.3	.4



FOR RAPID-START LAMPS



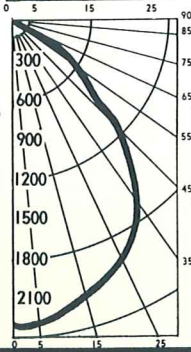
3-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.35	.33	.31	.34	.33	.31	.33	.31
I	0.8	.42	.40	.40	.42	.40	.39	.40	.38
H	1.0	.45	.44	.44	.45	.44	.43	.44	.42
G	1.25	.49	.48	.47	.48	.47	.45	.46	.45
F	1.5	.51	.50	.48	.49	.49	.47	.49	.47
E	2.0	.54	.53	.51	.53	.51	.51	.51	.50
D	2.5	.58	.55	.54	.56	.54	.53	.54	.53
C	3.0	.58	.57	.54	.57	.56	.54	.54	.54
B	4.0	.60	.58	.57	.58	.56	.56	.56	.55
A	5.0	.60	.59	.58	.59	.58	.56	.57	.56

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	2.9	2.9
10°	2.8	2.9
20°	2.8	2.7
30°	2.9	2.4
40°	3.0	2.0
45°	2.3	1.7
50°	1.9	1.7
55°	1.4	1.6
60°	1.0	1.3
65°	.7	1.1
70°	.5	1.1
80°	.5	.9
85°	.5	.7



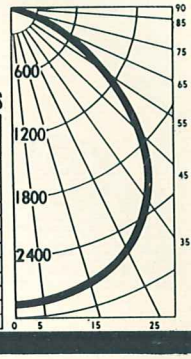
4-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.35	.33	.31	.34	.33	.31	.33	.31
I	0.8	.42	.40	.40	.42	.40	.39	.40	.38
H	1.0	.45	.44	.44	.45	.44	.43	.44	.42
G	1.25	.49	.47	.47	.48	.47	.45	.46	.45
F	1.5	.51	.50	.48	.49	.49	.47	.49	.47
E	2.0	.54	.53	.51	.53	.51	.51	.51	.50
D	2.5	.58	.55	.54	.56	.54	.53	.54	.53
C	3.0	.58	.57	.54	.57	.56	.54	.54	.54
B	4.0	.59	.58	.57	.58	.56	.56	.56	.55
A	5.0	.60	.59	.58	.59	.58	.56	.57	.56

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	3.2	3.2
10°	3.1	3.2
20°	3.1	3.0
30°	3.2	2.7
40°	3.3	2.3
45°	2.9	2.0
50°	2.3	2.0
55°	1.8	1.7
60°	1.6	1.2
65°	1.4	.9
70°	1.3	.7
80°	1.1	.7
85°	.8	.8



POLYCRAFT PLASTIC dishes

METRO TROFFERS FOR INVERTED "T" GRID SYSTEMS

2-FOOT WIDE X 4-FOOT LONG TROFFERS		2-FOOT WIDE X 2-FOOT LONG TROFFERS	
Cat. No.	No. and Type of Lamps	Cat. No.	No. and Type of Lamps
MET2-40P	2 F40T12/RS	MET2-20P/TS	2 F20T12
MET3-40P	3 F40T12/RS	MET3-20P/TS	3 F20T12
MET4-40P	4 F40T12/RS	MET4-20P/TS	4 F20T12

TEMPLEX TROFFERS

Templex troffers are furnished with hangers attached for automatic positioning on ceiling supporting members. Troffers with Catalog No. Prefix TEM are flange troffers for use in ceilings supported by 1½" steel channel, Pomeroy, or other steel supporting members, in wood — framed openings and in plaster frame. Troffers Catalog No. Prefix PAN are without flange for use in metal — pan ceilings supported by T-bars. Also may be used with plaster frame if flange troffer is not desired.

2-FOOT WIDE X 4-FOOT LONG TROFFERS			2-FOOT WIDE X 2-FOOT LONG TROFFERS		
Troffer With Integral Trim Flange Catalog No.	Troffer Without Flange for Metal-Pan Ceilings Catalog No.	No. and Type of Lamps	Troffer With Integral Trim Flange Catalog No.	Troffer Without Flange for Metal-Pan Ceilings Catalog No.	No. and Type of Lamps
TEM2-40P	PAN2-40P	2 F40T12/RS	TEM2-20P/TS	PAN2-20P/TS	2 F20T12
TEM3-40P	PAN3-40P	3 F40T12/RS	TEM3-20P/TS	PAN3-20P/TS	3 F20T12
TEM4-40P	PAN4-40P	4 F40T12/RS	TEM4-20P/TS	PAN4-20P/TS	4 F20T12

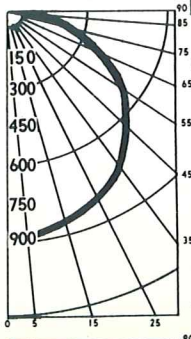
2-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

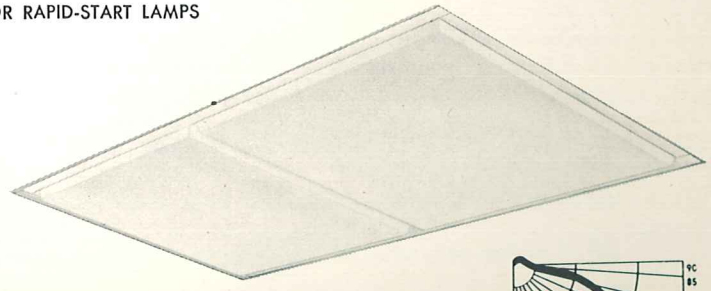
Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.26	.23	.21	.26	.23	.21	.22	.21
I	0.8	.32	.29	.27	.31	.29	.27	.29	.27
H	1.0	.35	.32	.30	.34	.32	.31	.32	.30
G	1.25	.37	.35	.33	.37	.35	.33	.34	.33
F	1.5	.40	.37	.35	.39	.37	.35	.36	.35
E	2.0	.43	.41	.38	.42	.40	.38	.39	.38
D	2.5	.46	.43	.41	.45	.43	.41	.42	.41
C	3.0	.47	.45	.43	.46	.44	.43	.43	.42
B	4.0	.49	.47	.45	.48	.46	.45	.45	.44
A	5.0	.50	.48	.46	.49	.47	.46	.46	.45

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	1.0	1.0
10°	1.0	1.0
20°	1.0	1.0
30°	1.0	1.0
40°	.9	1.0
45°	.9	.9
50°	.9	.9
55°	.9	.9
60°	.8	.8
65°	.8	.8
70°	.8	.7
80°	.8	.6
85°	.8	.5



FOR RAPID-START LAMPS



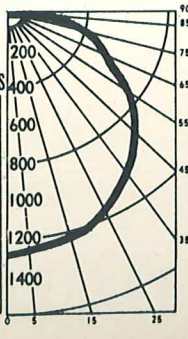
3-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.25	.21	.18	.24	.21	.18	.20	.18
I	0.8	.31	.27	.25	.30	.27	.24	.27	.24
H	1.0	.34	.31	.28	.33	.30	.28	.30	.28
G	1.25	.36	.34	.31	.35	.33	.31	.32	.31
F	1.5	.39	.36	.33	.37	.35	.33	.34	.33
E	2.0	.42	.40	.37	.41	.39	.37	.38	.37
D	2.5	.45	.42	.40	.44	.42	.40	.41	.40
C	3.0	.47	.44	.42	.45	.43	.42	.42	.41
B	4.0	.49	.46	.44	.47	.45	.44	.45	.43
A	5.0	.50	.48	.46	.48	.46	.45	.46	.45

MAXIMUM BRIGHTNESS

Vertical Angle	Plane A	Plane B
0°	1.6	1.6
10°	1.5	1.6
20°	1.5	1.5
30°	1.5	1.5
40°	1.5	1.4
45°	1.4	1.4
50°	1.4	1.4
55°	1.4	1.4
60°	1.3	1.4
65°	1.3	1.3
70°	1.2	1.2
80°	1.1	1.0
85°	1.1	.8



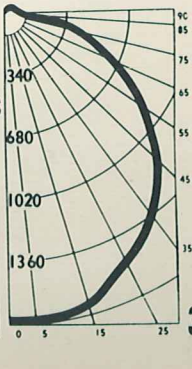
4-LIGHT UNITS

COEFFICIENTS OF UTILIZATION

Ceiling		75%			50%			30%	
Walls		50	30	10	50	30	10	30	10
Room Index	Room Ratio	%	%	%	%	%	%	%	%
J	0.6	.23	.19	.17	.23	.20	.17	.19	.17
I	0.8	.29	.26	.23	.28	.25	.23	.25	.23
H	1.0	.32	.29	.27	.31	.29	.26	.28	.26
G	1.25	.34	.32	.29	.33	.31	.29	.30	.29
F	1.5	.37	.34	.32	.35	.33	.31	.32	.31
E	2.0	.40	.37	.35	.39	.36	.35	.36	.35
D	2.5	.42	.40	.38	.41	.39	.38	.39	.39
C	3.0	.44	.42	.39	.42	.40	.39	.40	.39
B	4.0	.46	.44	.42	.44	.43	.41	.42	.41
A	5.0	.47	.45	.44	.46	.44	.43	.43	.42

MAXIMUM BRIGHTNESS

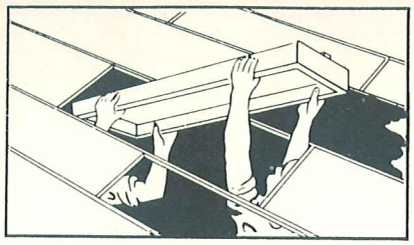
Vertical Angle	Plane A	Plane B
0°	2.0	2.0
10°	1.9	1.9
20°	1.9	1.9
30°	1.9	1.9
40°	1.8	1.9
45°	1.8	1.8
50°	1.8	1.8
55°	1.7	1.7
60°	1.7	1.7
65°	1.7	1.7
70°	1.5	1.4
80°	1.4	1.1
85°	1.4	1.1



EASY TO INSTALL EASY TO MAINTAIN

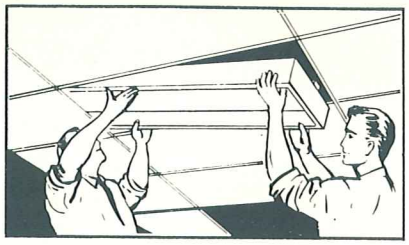
METRO TROFFERS ARE INSTALLED IN INVERTED "T" GRID SYSTEMS AS FOLLOWS:

If the ceiling cavity will allow . . .



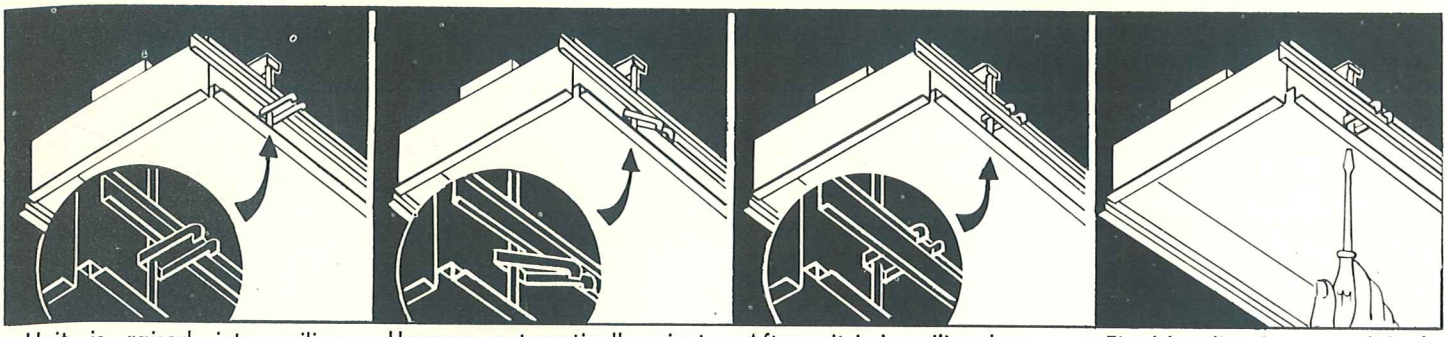
The troffer is tilted and inserted in the opening and placed in position on inverted "Tees".

If the ceiling cavity is shallow . . .



Sides of troffer are compressed to clear rails. Troffer is inserted and unit is locked by tightening wing nuts.

TEMPLEX TROFFERS ARE INSTALLED IN CEILINGS SUPPORTED BY 1½" CHANNEL, T-BARS, OR OTHER STRUCTURAL MEMBERS AND IN WOOD FRAMING (ALSO IN PLASTER FRAME) AS FOLLOWS:



Unit is raised into ceiling opening.

Hangers automatically pivot to pass ceiling supporting member or other obstruction.

After unit is in ceiling, hangers are automatically seated on ceiling supporting members.

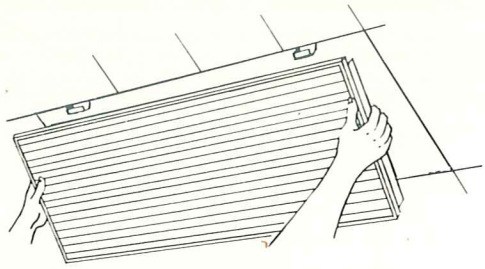
Final leveling is accomplished from below by turning four easily accessible screws.

Housing cover is attached by use of thumb screw. Is easily removable for access to ballast and wiring.

SHIELDING FOR SMITHCRAFT 2' WIDE TROFFERS IS QUICKLY INSTALLED . . .

EASILY OPENED, CLOSED OR REMOVED FOR MAINTENANCE.

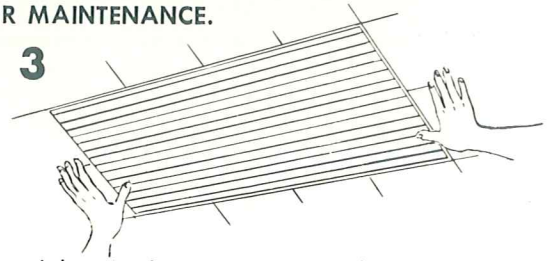
1



Door frame containing glass, lens, plastic, or plastic louver is simply hooked on.

Can be removed without tools or loose parts.

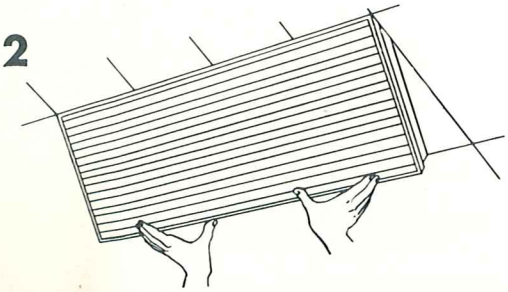
3



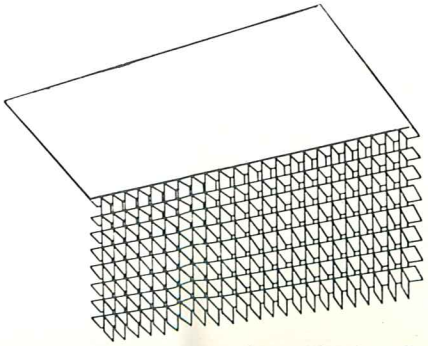
Closed by simple pressure upwards. Instantly and positively contact-latched.

WHERE DIFFUSING MEDIUM CONSISTS OF STEEL LOUVERS . . .

2



To open simply press upwards and allow door frame to swing open.



Louver is hinged from either side by Smithcraft's patented Duo-Cam Hangers.

TECHNICAL SPECIFICATIONS FOR SMITHCRAFT TWO-FOOT WIDE TROFFERS

METRO TROFFERS

I. GENERAL DESCRIPTION

The fixture shall be a recessed unit, completely wired, ready for installation. Units shall be designed to lay in inverted "T" Grid systems.

II. CONSTRUCTION SPECIFICATIONS

A. HOUSING: Shall be die-formed of not less than 20-gauge steel in 4-foot sections. Housing shall enclose ballast and all wiring accessories. Sides shall be compressible to allow unit to be fitted into opening and shall be locked in place after installation by wing nuts on end caps. Housing shall contain cover plate held by thumb screw which may be removed for access to the entire wiring system.

B. GLASS FRAME ASSEMBLY: Shall be die-formed from 18-gauge steel in envelope form permitting the required type of glass to slide into the frame from one end locking the glass securely. Frame shall be hinged and arranged so it can be removed without use of tools. There shall be no visible hinges, catches, bolts or screws.

B. 1. SHIELDING LOUVER ASSEMBLY: Shall be of 22-gauge steel framed in a trim egg-crate pattern providing cutoff from lamp glare of 30° crosswise and 30° lengthwise. The members shall be welded on the inside at each intersection without mutilating or deforming the bars or the egg-crate pattern. Shall be hinged through the use of hangers which permit hinging from either side with closing and opening accomplished by pressure of the fingers. Louvers shall be removable by unhooking without tools or loose parts.

III. FINISH: All surfaces shall be finished with high temperature baked white enamel with reflection factor of not less than 85%.

IV. WIRING REQUIREMENTS

A. The complete unit shall bear the U.L. Inspection Label.

B. The fixture shall bear the label of I.B.E.W., A.F. of L.

TEMPLEX TROFFERS

(Substitute the following paragraphs for corresponding paragraphs in MET specifications. Paragraphs II B, II B 1, III and IV are the same for TEMPLEX Troffers as for METRO Troffers.)

I. GENERAL DESCRIPTION

The fixture shall be a recessed unit completely wired, ready for installation. Units shall be supported on ceiling supporting members

II. CONSTRUCTION SPECIFICATIONS

A. HOUSING: Shall be die formed of not less than 20-gauge steel in 4-foot sections. Shall enclose ballast and all wiring accessories including lampholders. Housing shall contain cover plate held by thumbscrew which may be removed for access to the entire wiring system. Housing shall have an integral trim flange. (Except in metal-pan ceilings). Housing shall have hangers which automatically pivot to pass any obstruction and after the unit is in the ceiling, hangers shall be automatically positioned on ceiling supporting members. Hangers shall permit complete troffer to be raised or lowered after installation by the turning of easily accessible screws.

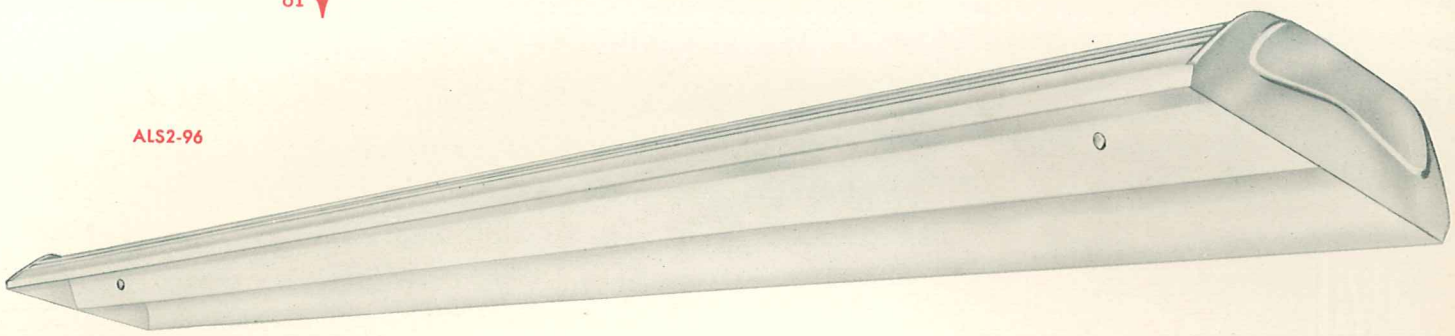

NEW SMITHCRAFT TROFFERS
FEATURE ROCK BOTTOM
INSTALLATION COSTS!
america's finest recessed lighting equipment
Smithcraft
LIGHTING DIVISION
CHELSEA 50, MASSACHUSETTS

SECTION **D**

Smithcraft

INDUSTRIAL UNITS

Light Distribution $\frac{19}{81}$



The Smithcraft A.L.S Factory Lighting unit, based on principles patented by Smithcraft, incorporates all the essentials of good industrial lighting. Because the A.L.S is so much more efficient to own and operate and so much less costly to maintain, fewer units are required to produce desired lighting levels.

LIGHTING CHARACTERISTICS: The A.L.S has an efficiency of 87%. An upward component of 19% without "hot spots" is provided by Smithcraft's patented transverse uplighting (Patent Re-issue #23485). Shielding is 30° crosswise (Louvers for 30° x 30° shielding are available). Because the unit is 16½" wide and lamps are spaced 8" apart, the unit provides the finest in low contrast and low brightness for more comfortable seeing. In continous rows, lampholders are back to back to produce continuous lines of light without interrupting dark areas. Lampholders are not visible. With 800-MA Rapid-Start Lamps, the A.L.S is excellent for high bay lighting.

MOUNTING: The A.L.S is easily and simply mounted by any of the usual methods (rod, conduit, stem set, chain, messenger cable, etc.). Slide-grip clamps permit installation by snapping the unit in place and sliding to the required position.

MAINTENANCE: Lamps are roofed over and an air flow through the unit minimizes accumulation of dust. Units stay cleaner longer. Reflectors are removed by pressing conveniently-located release buttons. Lamp-guiding slots make re-lamping easy. Lamps are double-held by the sockets and the reflectors. Ballasts and wiring are accessible by removal of the reflector. Smithcraft's Bonderite and Baked Enamel finish adheres firmly to the metal, stays white without yellowing, provides positive resistance to chemicals and heat, resists abrasions and reflects a maximum percentage of light.

A·L·S
Smithcraft
FACTORY LIGHTING
FOR RAPID-START BI-PIN LAMPS
FOR 800-MA RAPID-START BI-PIN LAMPS AND SLIMLINE LAMPS

CATALOG INFORMATION

Catalog No.	No. and Type of Lamps	Ship. Wt.
FOR SLIMLINE LAMPS (430-MA)		
ALS2-96	2 F96T12	58
ALS2-72	2 F72T12	49
FOR RAPID-START BI-PIN LAMPS		
ALS2-40	2 F40T12RS	35
FOR 800-MA 8-FOOT RAPID-START LAMPS		
ALS2-96/800	2 F96T12RS	61

A.L.S WITH LOUVERS
(Providing 30° crosswise, 30° lengthwise shielding)

FOR SLIMLINE LAMPS (430-MA)		
ALS2-96L	2 F96T12	65
ALS2-72L	2 F72T12	53
FOR RAPID-START BI-PIN LAMPS		
ALS2-40L	2 F40T12RS	38
FOR 800-MA 8-FOOT RAPID-START LAMPS		
ALS2-96L/800	2 F96T12RS	68
Packed One Complete Unit Per Carton		

HANGING DEVICES

Catalog No.	Description
HE505	Slidegrip clamp for chain and rod mounting
HE506	Slidegrip clamp for ½" conduit mounting

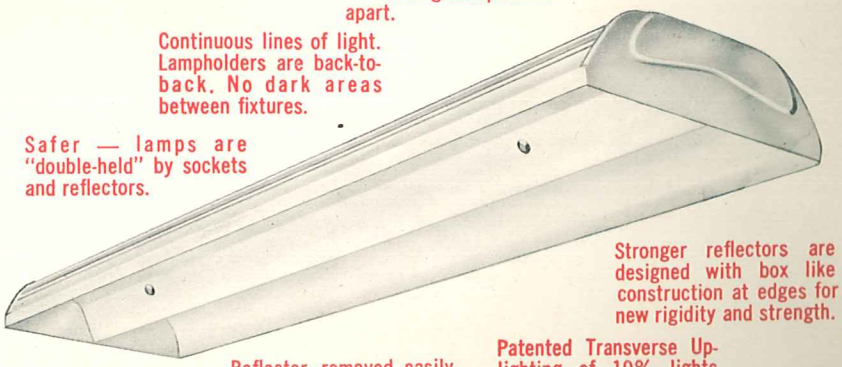
87% efficiency.

16" wide for low brightness and more comfortable seeing. Lamps are 8" apart.

Stays cleaner longer. Lamps are roofed over. Air-flow construction minimizes accumulation of dust.

Continuous lines of light. Lampholders are back-to-back. No dark areas between fixtures.

Safer — lamps are "double-held" by sockets and reflectors.



Stronger reflectors are designed with box like construction at edges for new rigidity and strength.

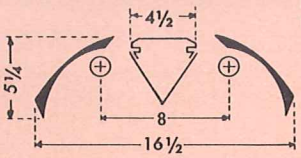
Reflector removed easily by conveniently-located release buttons.

Patented Transverse Uplighting of 19% lights ceiling without "hot spots."

The ALS may be supplied with louvers to provide 30° x 30° shielding.

A·L·S

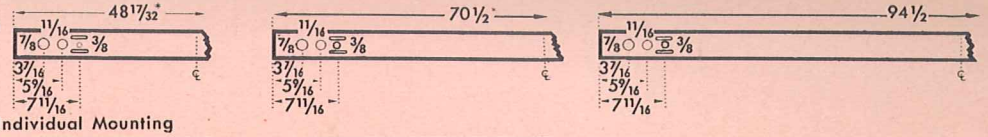
END SECTION DIMENSIONS



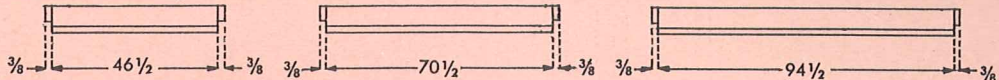
SPACING OF KNOCKOUTS

For Slimline Lamps

For Bi-Pin Lamps

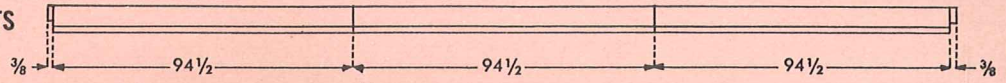


Individual Mounting



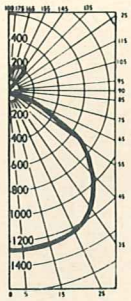
Continuous Mounting Row

SUGGESTED MOUNTING ARRANGEMENTS



In continuous row add ⅜" (end cap dimension) only at end of rows.

ALS2-40



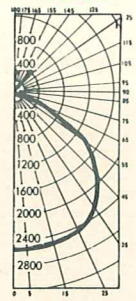
COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.33	.28	.24	.32	.27	.24	.32	.27	.24	.31	.27	.24
I	0.8	.43	.37	.33	.42	.37	.33	.41	.36	.32	.40	.36	.32
H	1.0	.51	.45	.40	.49	.44	.40	.48	.43	.39	.47	.42	.39
G	1.25	.58	.52	.47	.56	.50	.46	.54	.51	.45	.53	.48	.45
F	1.5	.64	.57	.52	.61	.55	.51	.59	.54	.50	.57	.53	.49
E	2.0	.73	.66	.60	.67	.62	.58	.66	.61	.57	.63	.59	.56
D	2.5	.78	.71	.66	.72	.67	.63	.70	.66	.62	.67	.63	.60
C	3.0	.82	.76	.70	.75	.70	.66	.73	.69	.65	.69	.66	.63
B	4.0	.88	.83	.77	.78	.75	.71	.78	.74	.71	.72	.70	.67
A	5.0	.92	.87	.83	.81	.78	.75	.81	.77	.74	.74	.72	.70

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	4.6	4.6
45°	4.3	4.2
50°	3.0	3.8
55°	1.9	—
60°	1.3	3.4
70°	0.7	2.8

ALS2-96



COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%
J	0.6	.33	.28	.24	.32	.27	.24	.32	.27	.24	.31	.27	.24
I	0.8	.43	.37	.33	.42	.37	.33	.41	.36	.32	.40	.36	.32
H	1.0	.51	.45	.40	.49	.44	.40	.48	.43	.39	.47	.42	.39
G	1.25	.58	.52	.47	.56	.50	.46	.54	.51	.45	.53	.48	.45
F	1.5	.64	.57	.52	.61	.55	.51	.59	.54	.50	.57	.53	.49
E	2.0	.73	.66	.60	.67	.62	.58	.66	.61	.57	.63	.59	.56
D	2.5	.78	.71	.66	.72	.67	.63	.70	.66	.62	.67	.63	.60
C	3.0	.82	.76	.70	.75	.70	.66	.73	.69	.65	.69	.66	.63
B	4.0	.88	.83	.77	.78	.75	.71	.78	.74	.71	.72	.70	.67
A	5.0	.92	.87	.83	.81	.78	.75	.81	.77	.74	.74	.72	.70

MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	4.6	4.6
45°	4.3	4.2
50°	3.0	3.8
55°	1.9	—
60°	1.3	3.4
70°	0.7	2.8

SPECIFICATIONS

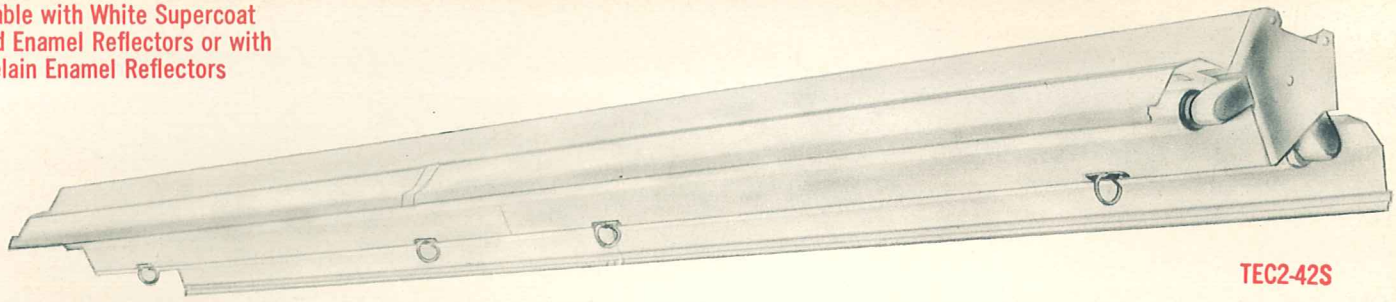
SPECIFICATIONS — Fixture shall be semi-direct of all-metal construction, 16½" wide, providing approximately 20% of the light output in transverse uplighting, and shall be completely wired, ready for installation by any conventional method. **Reflectors** shall be of a single assembly of rolled steel with box-like construction at both edges. Reflectors shall provide 30° crosswise shielding, shall be removable only when lamps are not in the fixture by pressing conveniently-located release buttons. **Housing** shall be one-piece T-flange formed of 20-gauge steel to permit use of pre-formed C-clamp slidable the full length of the housing for simplified mounting. Bottom of housing shall be enclosed by V-section. **Ballast** shall be CBM-certified Rapid-Start (Note: for Slimline units, substitute "**Slimline** Series Sequence" after "CBM-certified"). **Lampholders** shall be spaced 8" apart. Shall be back-to-back in continuous row mounting, invisible from normal viewing angle. **Finish** shall be white supercoat baked enamel, with reflectance factor of not less than 85%, applied on Bonderized surfaces. Complete unit shall be UL-approved, and bear the label of I.B.E.W., A.F. of L.

Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. D-500
Printed In U.S.A.

3-57-RL

Available with White Supercoat Baked Enamel Reflectors or with Porcelain Enamel Reflectors



TEC2-42S

TECH, engineered in accordance with today's advanced factory lighting practice, provides approximately 10% uplighting for comfortable factory lighting, and can be used with two 40-watt Rapid-Start Bi-Pin Lamps in 4′ lengths; four 40-watt Rapid-Start Bi-Pin Lamps in double section 8′ lengths; two 48″ Slimline Lamps in 4′ lengths, or two 96″ Slimline Lamps in 8′ lengths.

LIGHTING CHARACTERISTICS — Approximately 10% of the fixture output is directed upwards through openings in the top of the reflector, greatly reducing contrast. Reflectors provide 13° shielding. Smooth sides of the housing are constructed on an angle to permit maximum efficiency of uplighting without "hot spots" on the sides of the luminaire. The TECH attains an overall high efficiency of 83.5%.

TEC
Smithcraft
TECH
for SLIMLINE LAMPS; for RAPID-START BI-PIN LAMPS

MOUNTING — TECH can be simply and economically mounted individually or in continuous rows, by any of the conventional mounting methods — rod, chain, messenger cable, etc. The top of the housing is a flanged channel with integral rails to receive slideable hangers permitting savings of dollars and hours in installation costs. (See diagrams on other side).

MAINTENANCE — TECH is designed for low-cost maintenance. Large spring-mounted loop grips enable the maintenance man to release the reflector quickly and easily . . . repositioning is positive and instantaneous. Ballast and wiring are easily exposed for inspection or servicing by simply releasing the reflector. The reflectors are finished in either White Supercoat Baked Enamel or Porcelain Enamel Finish as specified. On Baked White Enamel units, the Smithcraft Bonderite and Baked Enamel Finish on the metal parts adheres firmly, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, effectively resists abrasions, and reflects a maximum percentage of light.

CATALOG INFORMATION

FOR RAPID-START BI-PIN LAMPS			FOR SLIMLINE LAMPS (430-MA)		
SUPERCOAT BAKED ENAMEL REFLECTORS Individual Mounting (Fixture with End Caps)					
Catalog No.	No. and Type of Lamps	Ship. Wt.	Catalog No.	No. and Type of Lamps	Ship. Wt.
TEC2-40S	2 F40T12RS	26	TEC2-48S	2 F48T12	28
TEC2-42S	4 F40T12RS	52	TEC2-96S	2 F96T12	55
(8′ housing — Two 4′ reflectors)			(8′ housing — 8′ reflector)		
Continuous Mounting — (See note below)*					
CTEC2-40S	2 F40T12RS	27	CTEC2-48S	2 F48T12	28
CTEC2-42S	4 F40T12RS	52	CTEC2-96S	2 F96T12	55
(8′ housing — Two 4′ reflectors)			(8′ housing — 8′ reflector)		
LIFETIME PORCELAIN ENAMEL REFLECTORS Individual Mounting — Fixture with End Caps					
TEC2-40P	2 F40T12RS	27	TEC2-48P	2 F48T12	29
TEC2-42P	4 F40T12RS	54	TEC2-96P	2 F96T12	57
(8′ housing — Two 4′ reflectors)			(8′ housing — Two 4′ reflectors)		
Continuous Mounting — (See note below)*					
CTEC2-40P	2 F40T12RS	27	CTEC2-48P	2 F48T12	29
CTEC2-42P	4 F40T12RS	54	CTEC2-96P	2 F96T12	57
(8′ housing — Two 4′ reflectors)			(8′ housing — Two 4′ reflectors)		

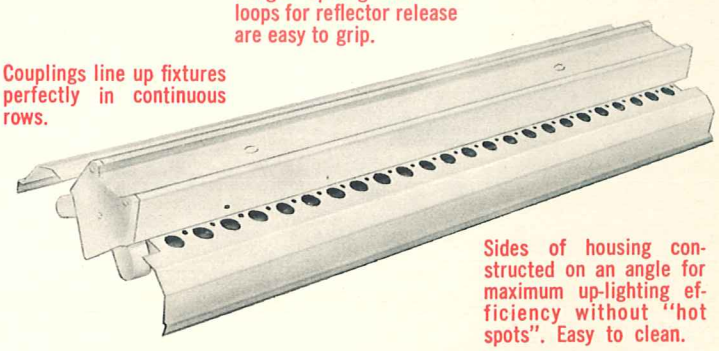
AVAILABLE WITH 800-MA RAPID-START FOR 8′ LAMPS

*CONTINUOUS ROW MOUNTING — Includes necessary end caps to finish off rows. Includes connectors and reflector couplings (RC102) between 4′ reflectors and between fixtures.

All white finish of reflectors and housing — inside and out.

Large spring-mounted loops for reflector release are easy to grip.

Couplings line up fixtures perfectly in continuous rows.



Sides of housing constructed on an angle for maximum up-lighting efficiency without "hot spots". Easy to clean.

Approximately 10% uplighting through scientifically-designed apertures. V-Center Section shields lamps with high efficiency and low brightness.

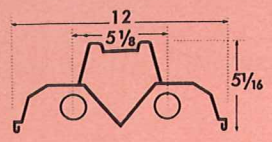
PARTS AND ACCESSORIES

Hanging chain, cord sets, messenger cable clamps are available as required.

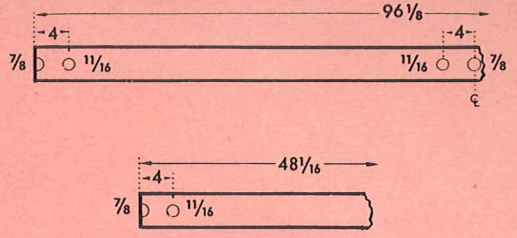
Smithcraft Lighting CHELSEA 50, MASSACHUSETTS

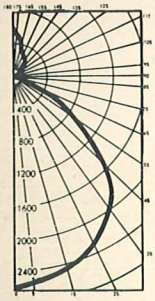
TECH

END SECTION DIMENSIONS



SPACING OF KNOCKOUTS





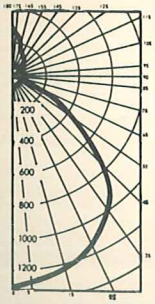
TEC 2-96P

MAXIMUM BRIGHTNESS

Vertical Angle	Across	Lengthwise
0°	4.35	4.35
10°	4.44	4.35
20°	4.50	4.30
30°	4.50	4.05
40°	4.44	3.97
45°	4.44	3.82
50°	4.44	3.66
55°	4.20	3.54
60°	3.90	3.43
65°	3.10	3.20
70°	1.70	2.82
80°	.78A	1.60
85°	.66A	.38
90°	0	0

COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.30	.26	.22	.30	.25	.22	.29	.25	.22	.29	.25	.22
I	0.8		.40	.34	.30	.39	.34	.30	.38	.34	.30	.37	.33	.30
H	1.0		.47	.41	.37	.46	.40	.37	.45	.40	.36	.43	.39	.36
G	1.25		.55	.48	.44	.52	.47	.43	.51	.46	.42	.49	.45	.42
F	1.5		.60	.54	.49	.57	.52	.48	.56	.51	.47	.53	.50	.46
E	2.0		.68	.61	.57	.63	.58	.55	.63	.58	.54	.60	.56	.53
D	2.5		.73	.67	.62	.67	.63	.59	.67	.63	.59	.63	.60	.57
C	3.0		.77	.71	.67	.70	.66	.63	.70	.66	.63	.66	.63	.60
B	4.0		.82	.78	.72	.74	.70	.67	.74	.70	.67	.70	.66	.63
A	5.0		.86	.82	.78	.76	.73	.71	.77	.74	.71	.71	.69	.67



TEC 2-40P

MAXIMUM BRIGHTNESS

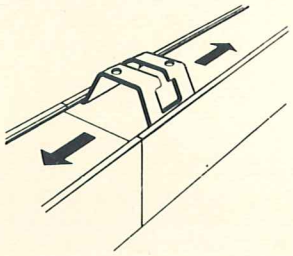
Vertical Angle	Across	Lengthwise
0	4.67	4.66
10°	4.67	4.58
20°	4.70	4.48
30°	4.76	4.36
40°	4.82	4.17
45	4.92	4.04
50	4.89	3.83
55	4.61	3.62
60	4.04	3.42
65	3.23	3.13
70	2.05	2.80
80	0.85	1.89
85	0.60	1.17
90	0.46	0.60

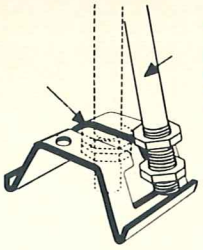
COEFFICIENTS OF UTILIZATION

			80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
			30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6		.31	.26	.23	.31	.25	.22	.30	.35	.22	.29	.25	.22
I	0.8		.41	.35	.31	.40	.34	.31	.39	.34	.26	.37	.33	.30
H	1.0		.48	.42	.37	.47	.41	.47	.46	.40	.37	.45	.40	.36
G	1.25		.56	.49	.44	.54	.48	.44	.53	.47	.43	.51	.46	.43
F	1.5		.62	.55	.49	.59	.53	.49	.57	.52	.48	.56	.51	.47
E	2.0		.70	.63	.58	.66	.60	.56	.65	.59	.56	.62	.58	.54
D	2.5		.76	.69	.64	.70	.65	.61	.69	.65	.61	.66	.62	.59
C	3.0		.80	.74	.69	.73	.69	.65	.72	.68	.65	.68	.65	.62
B	4.0		.84	.81	.75	.77	.73	.70	.77	.73	.70	.72	.69	.67
A	5.0		.90	.85	.81	.80	.76	.74	.81	.77	.74	.74	.72	.77

HOW THE *Smithcraft* TECH IS MOUNTED

an exclusive new mounting arrangement that saves hours of costly installation time.





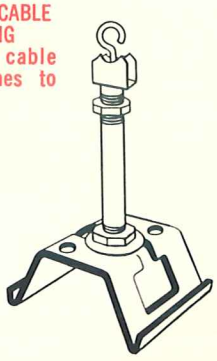
Holes in end cap may be used for chain mounting in individual mounting.

1. Hangers are safely and securely attached to the housing by simply sliding them into the flanged channel which is the top of the housing from either end. Hangers may then be slid the full length of the housing and may be used anywhere along the housing length.
2. Rods with nuts attached are slid and check into the side of the hanger.
3. When fixture is in position, secure by tightening top nuts.

CHAIN MOUNTING
Chain attaches to holes in top of hanger.



MESSENGER CABLE MOUNTING
Messenger cable clamp attaches to hanger.



SPECIFICATIONS

SPECIFICATIONS: Fixture shall be a semi-direct unit of sturdy construction, mounted individually or in continuous rows. **Housing** shall be one-piece of 20-gauge steel with smooth sides shaped to provide full uplighting output. Top shall be a flanged channel with integral supporting side rails which shall receive hangers. **Reflectors** shall be of V-construction single assembly (Note: Porcelain Enamel 8′ units shall be two 4′ sections coupled in the middle), enclosing the bottom of the housing, with apertures in the top to provide approximately 10% output in uplighting. **Ballast** shall be CBM-certified Rapid-Start High Power Factor Type. (Note: for Slimline units, substitute "Ballast shall be CBM-certified Slimline Series High Power Factor Type). **Finish** of reflectors shall be White Supercoat Baked Enamel on bonderized surfaces with reflectance of not less than 85% (Note: for Porcelain Enamel Units substitute, "Finish of reflectors shall be White Porcelain Enamel with reflectance factor of not less than 85%). The complete unit shall be UL-approved, and bear the label of I.B.E.W., A.F. of L.

Smithcraft
LIGHTING
CHELSEA 50, MASSACHUSETTS

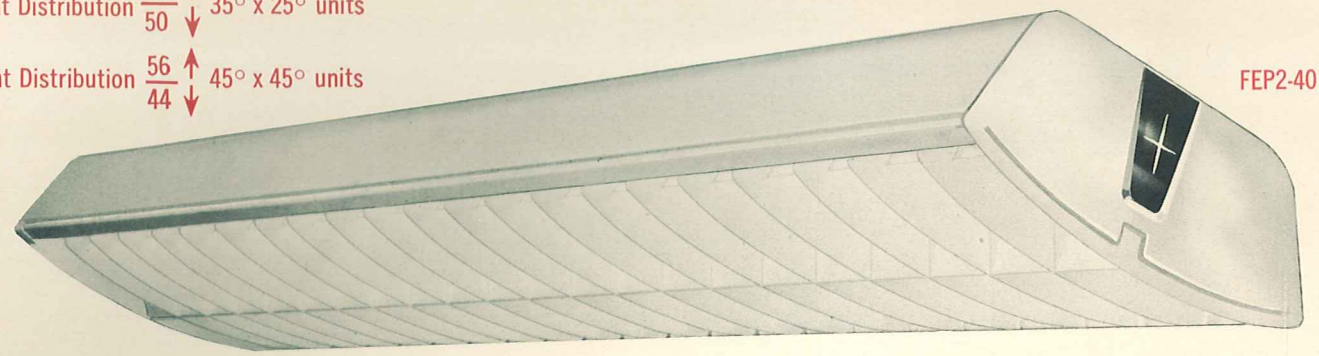
Form No. D-510
Printed in U.S.A.

5-57-RL

Light Distribution $\frac{50}{50}$ ↑↓ 35° x 25° units

Light Distribution $\frac{56}{44}$ ↑↓ 45° x 45° units

FEP2-40DL



The NEW FEDERAL is a top-value, low-cost sturdy unit for very long-term use in schools, stores, offices, etc. . . . wherever good-looking, efficient, economical lighting is required. A smart-looking unit, the NEW FEDERAL has extremely clean lines with medallions providing interesting accents at the ends of the unit. In plastic-sided units, plastic sides are reinforced with internal steel liners which combine the rigidity of steel with the translucence of plastic.

LIGHTING CHARACTERISTICS. The NEW FEDERAL has a very high efficiency and is available with the various cutoffs shown below. Also available with top reflectors for all downlighting.

MOUNTING. The NEW FEDERAL may be mounted individually or continuously as shown on the other side. Fixture ends bolt together for continuous mounting. The SS118 stem set features a tongs-type clamp hanger that can be slid along the housing.

MAINTENANCE. Rigid louvers swing open from either side, yet they cannot be accidentally knocked off in the open position because of a built-in safety locking feature.One-piece steel or plastic side shields rotate upwards. Smithcraft Bonderite and Baked Enamel finish adheres firmly to the metal, stays white indefinitely without yellowing, provides positive resistance to chemicals and heat, resists abrasion and reflects a maximum percentage of light.

FES-FEP

Smithcraft

New FEDERAL

for RAPID-START BI-PIN LAMPS and SLIMLINE LAMPS

CATALOG INFORMATION

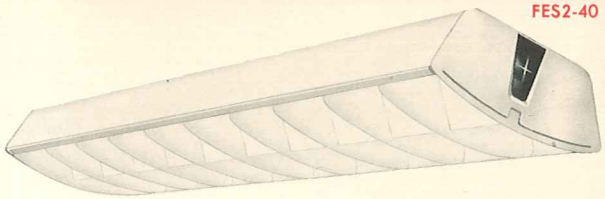
FOR RAPID-START BI-PIN LAMPS		FOR SLIMLINE LAMPS	
Catalog No.	No. and Type of Lamps	Catalog No.	No. and Type of Lamps
35° x 25° SHIELDING		35° x 25° SHIELDING	
STEEL SIDES		STEEL SIDES	
FES2-40 FES2-42	2 F40T12RS 4 F40T12RS 8′ Housing	FES2-96	2 F96T12
PLASTIC SIDES		PLASTIC SIDES	
FEP2-40 FEP2-42	2 F40T12RS 4 F40T12RS 8′ Housing	FEP2-96	2 F96T12
35° x 45° SHIELDING		35° x 45° SHIELDING	
STEEL SIDES		STEEL SIDES	
FES2-40X FES2-42X	2 F40T12RS 4 F40T12RS 8′ Housing	FES2-96X	2 F96T12
PLASTIC SIDES		PLASTIC SIDES	
FEP2-40X FEP2-42X	2 F40T12RS 4 F40T12RS 8′ Housing	FEP2-96X	2 F96T12
45° x 45° SHIELDING		45° x 45° SHIELDING	
STEEL SIDES		STEEL SIDES	
FES2-40DL FES2-42DL	2 F40T12RS 4 F40T12RS 8′ Housing	FES2-96DL	2 F96T12
PLASTIC SIDES		PLASTIC SIDES	
FEP2-40DL FEP2-42DL	2 F40T12RS 4 F40T12RS 8′ Housing	FEP2-96DL	2 F96T12

TOP REFLECTORS	NF-48 NF-96	For 4′ sections For 8′ sections

CANOPY AND STEM SETS

SS118	Canopy and Stem Set — Canopy, single 15″ steel stem (O.D. ½″) heavy canopy bar, tong channel bracket, adjustable stem fittings. All white.

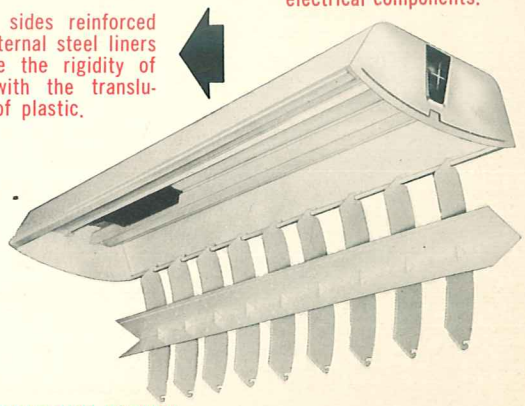
FES2-40



Fixture ends bolt together in continuous rows. Knockouts are provided for continuous wiring.

Plastic sides reinforced with internal steel liners combine the rigidity of steel with the translucence of plastic.

V-section of baffle conceals all wiring and electrical components.



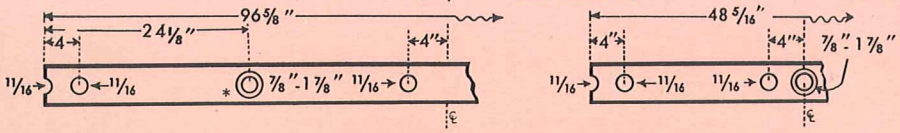
SAFETY-LOCKED BAFFLES
Baffle designed to open or close from either side without tools or loose parts. Because of a built-in safety locking feature, the baffle in its open position cannot be removed or inadvertently knocked off.

Plastic or steel side shields are rigidly held at ends, yet are easily removable for cleaning.

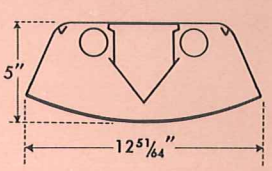
Smithcraft Lighting CHELSEA 50, MASSACHUSETTS

New FEDERAL

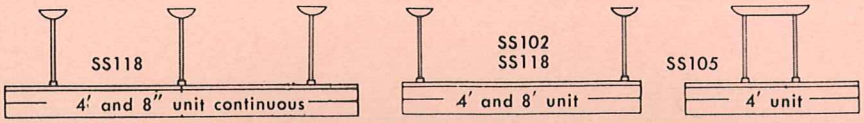
SPACING OF KNOCKOUTS (11/16" KNOCKOUTS)



END SECTION DIMENSIONS

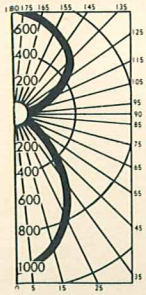


SUGGESTED PENDANT MOUNTING



For information on the SS102 and SS105 Stem Sets see Smithcraft Price Catalog.

FES2-40DL
45° x 45° shielding



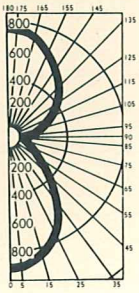
MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	2215	2215
10°	2215	2170
20°	2215	1898
30°	2215	1220
40°	1401	814
45°	890	452
50°	633	362
60°	407	271
70°	271	271
80°	181	226
90°	130	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6	.25	.20	.16	.25	.19	.17	.22	.18	.16	.22	.18	.16
I	0.8	.32	.26	.23	.31	.26	.22	.28	.24	.21	.27	.23	.21
H	1.0	.38	.32	.27	.37	.31	.27	.32	.28	.25	.31	.28	.25
G	1.25	.44	.37	.33	.42	.36	.32	.37	.32	.29	.36	.32	.29
F	1.5	.49	.42	.37	.46	.40	.36	.40	.36	.32	.39	.35	.32
E	2.0	.56	.49	.44	.52	.47	.43	.45	.41	.38	.43	.39	.36
D	2.5	.61	.55	.50	.56	.51	.47	.49	.45	.41	.46	.43	.40
C	3.0	.65	.59	.54	.59	.55	.51	.51	.47	.44	.48	.45	.43
B	4.0	.71	.66	.61	.63	.59	.56	.56	.51	.48	.51	.48	.46
A	5.0	.75	.71	.67	.66	.63	.60	.57	.54	.51	.52	.50	.49

FEP2-40DL
45° x 45° shielding



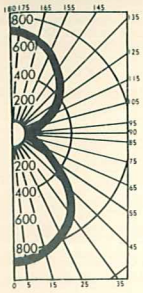
MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	2070	2070
10°	2010	1940
20°	1800	1700
30°	1460	1290
40°	1050	780
45°	789	542
50°	592	394
60°	394	345
70°	296	247
80°	443	150
90°	452	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6	.26	.21	.17	.26	.20	.18	.23	.19	.17	.23	.19	.17
I	0.8	.34	.27	.24	.33	.27	.23	.29	.25	.22	.28	.24	.22
H	1.0	.40	.34	.28	.39	.33	.28	.34	.29	.26	.33	.29	.26
G	1.25	.46	.39	.35	.44	.38	.34	.39	.34	.30	.38	.34	.30
F	1.5	.51	.44	.39	.48	.42	.38	.42	.38	.34	.41	.37	.34
E	2.0	.59	.51	.46	.55	.49	.45	.47	.43	.40	.45	.41	.38
D	2.5	.64	.58	.53	.59	.54	.49	.51	.47	.43	.48	.45	.42
C	3.0	.68	.62	.57	.62	.58	.54	.54	.49	.46	.50	.47	.45
B	4.0	.75	.69	.64	.66	.62	.59	.59	.54	.50	.54	.50	.48
A	5.0	.79	.75	.70	.69	.66	.63	.60	.57	.54	.55	.53	.51

FES2-40
35° x 25° shielding



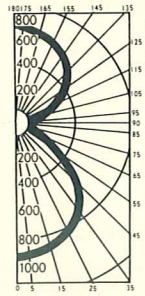
MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	2147	2147
10°	2115	2057
20°	2179	2039
30°	2197	2007
40°	2007	1930
45°	1772	1867
50°	1460	1803
60°	470	692
70°	362	312
80°	221	267
90°	158	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6	.27	.22	.19	.30	.22	.19	.25	.21	.18	.24	.21	.18
I	0.8	.37	.30	.26	.36	.29	.26	.33	.27	.24	.32	.27	.24
H	1.0	.43	.37	.32	.42	.36	.32	.38	.33	.29	.37	.32	.28
G	1.25	.50	.43	.38	.48	.42	.38	.43	.38	.35	.42	.37	.34
F	1.5	.57	.49	.43	.54	.47	.42	.47	.42	.38	.45	.41	.38
E	2.0	.64	.57	.51	.60	.54	.50	.54	.48	.44	.50	.46	.43
D	2.5	.70	.63	.58	.65	.59	.55	.57	.53	.48	.54	.49	.46
C	3.0	.75	.68	.63	.68	.63	.59	.60	.56	.53	.57	.53	.50
B	4.0	.81	.76	.69	.72	.68	.64	.64	.60	.57	.59	.57	.55
A	5.0	.85	.81	.77	.76	.71	.68	.67	.64	.61	.61	.59	.57

FEP2-40
35° x 25° shielding



MAXIMUM BRIGHTNESSES

Vertical Angle	Plane A	Plane B
0°	2017	2017
10°	2017	1985
20°	2017	1950
30°	2000	1890
40°	1890	1800
45°	1771	1722
50°	1378	1525
60°	541	836
70°	246	295
80°	246	100
90°	393	0

COEFFICIENTS OF UTILIZATION

		80% Ceiling			80% Ceiling			50% Ceiling			50% Ceiling		
		30% Floor			10% Floor			30% Floor			10% Floor		
Room Index	Room Ratio	Walls 50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %	50 %	30 %	10 %
J	0.6	.26	.21	.18	.29	.21	.18	.24	.20	.17	.23	.20	.17
I	0.8	.35	.29	.25	.34	.28	.25	.31	.26	.23	.30	.26	.23
H	1.0	.41	.35	.30	.40	.34	.30	.36	.31	.28	.35	.30	.27
G	1.25	.48	.41	.36	.46	.40	.36	.41	.36	.33	.40	.35	.32
F	1.5	.54	.47	.41	.51	.45	.40	.45	.40	.36	.43	.39	.36
E	2.0	.61	.54	.49	.57	.51	.48	.51	.46	.42	.48	.44	.41
D	2.5	.67	.60	.55	.62	.56	.52	.54	.50	.46	.51	.47	.44
C	3.0	.71	.65	.60	.65	.60	.56	.57	.53	.50	.54	.50	.48
B	4.0	.77	.72	.66	.69	.65	.61	.61	.57	.54	.56	.54	.52
A	5.0	.81	.77	.73	.72	.68	.65	.64	.61	.58	.58	.56	.54

SPECIFICATIONS

Fixture shall be general diffuse baffled unit, completely wired, ready for installation. **Housing** shall be one-piece formed of 20-gauge steel and shall permit the use of a tongs-type hanger which is slideable the full length of the housing. Housing shall enclose the ballast. **Side shields** shall be formed of steel (Note: for plastic-sided units substitute "polystyrene plastic" for "steel".) Shall be held rigidly in position at each end yet shall be easily removed for cleaning. **Baffles** shall be a single assembly pivoted on the side shield and shall be easily removable by lifting off yet designed to prevent inadvertent removal. (On plastic-sided units, add "plastic sides shall contain steel liners for rigidity".) Baffles shall provide 35° x 25° shielding. (In 45° x 45° units, substitute "45° x 45° shielding"). Ballast shall be C.B.M.-certified "H.P.F." Finish shall be Bonderite and high temperature baked white enamel with reflectance of not less than 85%. The complete unit shall be UL-approved and bear the label of I.B.E.W., A.F. of L.

Smithcraft LIGHTING
CHELSEA 50, MASSACHUSETTS

Form No. B251A
Printed in U.S.A.

New LIGHTING DEVELOPMENTS FROM Smithcraft

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SPEEDOMATIC

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new! RECESSED FLUORESCENT LIGHTING EQUIPMENT PRICE CATALOG

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____ copies of the Federal Catalog Sheet
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ECTION E

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PRICE

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FLUORESCENT LIGHTING EQUIPMENT

COMMERCIAL FIXTURES

RECESSED FIXTURES

INDUSTRIAL FIXTURES

CEILING SYSTEMS

DISTRIBUTOR PRICE CATALOG Schedule CD222 JANUARY 4, 1960

Smithcraft CORPORATION CHELSEA 50, MASSACHUSETTS

This price Catalog supersedes Price Schedule #220 and #221 and all previous price lists.

Smithcraft COMMERCIAL FIXTURES

INDEX BY FIXTURE NAME

Name of Fixture	Cat. No.	Page No.
Chalkboarder	CB	21
Contrex Soundsheet — corrugated	CC	29
Contrex Soundsheet — flat	CF	29
Corridor-liter	CR	21
Cubex Louvers	CBX	29
Director	DIR	8–9
EYE-Q	IQ	19
Federal	FES-FEP	18
Forum	FOR	6
Forum with Bronze Finish	FBR	6
Freeway	FRE	20
Large Element	LE	10–11
Linear	SLS	22
Mercury	MER	17
Selectra	SA	14–15
Sheraton	SN	16
Slendex — Surface	SSX	7
Smithcraft Area Illumination	SAI	24–25
Smithcraft Overall Illumination	SOI	26–27
Spot Boxes (Mercury)		17
Stem Sets and Hanging Devices		28
Strip	S	23
Twosome	TWC, TWFP TWPL, TWA TWR, TWX	12–13

INDEX BY CATALOG NO.

Cat. No.	Fixture Name	Page No.
CB	Chalkboarder	21
CBX	Cubex Louvers	29
CC	Contrex Soundsheet — corrugated	29
CF	Contrex Soundsheet — flat	29
CR	Corridor-liter	21
DIR	Director	8–9
FBR	Forum with Bronze Finish	6
FES-FEP	Federal	18
FOR	Forum	6
FRE	Freeway	20
IQ	Eye-Q	19
LE	Large Element	10–11
MER	Mercury	17
S	Strip	23
SA	Selectra	14–15
SAI	Smithcraft Area Illumination	24–25
SLS	Linear	22
SN	Sheraton	16
SOI	Smithcraft Overall Illumination	26–27
SSX	Slendex — Surface Mounted	7
TWA	Twosome wtih Albalite Glass Shielding	13
TWC	Twosome with Compound Shielding	12
TWFP	Twosome with Flanged Polystyrene	13
TWPL	Twosome with Plastic Louvers	13
TWR	Twosome with Ribbed Skytex Glass	13
TWX	Twosome with Styrotex	13

Smithcraft INDUSTRIAL FIXTURES

INDEX BY FIXTURE NAME

Name of Fixture	Cat. No.	Page No.
A. L. S.	ALS	33
Economy	SE	35
Monitor	MFS-MFP	30
Monitor V	MVS-MVP	31
Power-Groove	PFS-PFP	32
Power-Groove V	PVS-PVP	32
Tech	TEC	34

INDEX BY CATALOG NO.

Cat. No.	Fixture Name	Page No.
ALS	A. L. S.	33
MFS-MFP	Monitor	30
MVS-MVP	Monitor V	31
PFS-PFP	Power-Groove	32
PVS-PVP	Power-Groove V	32
SE	Economy	35
TEC	Tech	34

FOR INDUSTRIAL PARTS AND ACCESSORIES SEE PAGE 35.

Smithcraft RECESSED EQUIPMENT

Ceiling Index 41
Plaster Frame 54
Pattern Lighting 54
Spot Boxes 53
End Sections and Dimensional Data of Speedomatic Troffers 38-39
Slendex Recessed 1′ and 2′ Wide Troffers 55
SHIELDING MEDIA FOR 1′ AND 2′ WIDE TROFFERS
Albalite 42
Acrylic Refractors 51
Corning #70 Glass 49
Cubex Louvers 43
Holophane Controlens®. #9022 53
Holophane Prismalume Controlens®. #6010 44
Holophane Prismalume Controlens®. #6025 44
Plastic Louvers 47
Polystyrene Plastic Dish 46
Ribbed Skytex Glass 48
Steel Louvers 45
Styrotex Plastic 50

®Holophane Company, Inc.

ONE-FOOT WIDE TROFFERS

Type A (Acousti-line type)	Page	Type F (Flanged troffers)	Page
1AA series	42	1FA series	42
1AAD series	52	2FAD series	52
1ACL series	43	1FCL series	43
1AHL series	44	1FHL series	44
1AHV series	53	1FHV series	53
1AP series	51	1FP series	51
1APD series	46	1FPD series	46
1APL series	47	1FPL series	47
1AR series	48	1FR series	48
1AS series	49	1FS series	49
1ASL series	45	1FSL series	45
1AX series	50	1FX series	50

Type G (For inverted T ceilings)	Page	Type P (For metal pan ceilings)	Page
1GA series	42	1PA series	42
1GAD series	52	1PAD series	52
1GCL series	43	1PCL series	43
1GHL series	44	1PHL series	44
1GHV series	53	1PHV series	53
1GP series	51	1PP series	51
1GPD series	46	1PPD series	46
1GPL series	47	1PPL series	47
1GR series	48	1PR series	48
1GS series	49	1PS series	49
1GSL series	45	1PSL series	45
1GX series	50	1PX series	50

SLENDEX TROFFERS

RSXF2-40 55
RSXG2-40 55
RSXP2-40 55
RSXT2-40 55

TWO-FOOT WIDE TROFFERS

Type A (Acousti-line type)	Page	Type F (Flanged troffers)	Page
2AA series	42	2FA series	42
2AAD series	52	2FAD series	52
2ACL series	43	2FCL series	43
2AH series	44	2FH series	44
2AP series	51	2FP series	51
2APD series	46	2FPD series	46
2APL series	47	2FPL series	47
2AR series	48	2FR series	48
2AS series	49	2FS series	49
2ASL series	45	2FSL series	45
2AX series	50	2FX series	50

Type G (For inverted T ceilings)	Page	Type P (For metal pan ceilings)	Page
2GA series	42	2PA series	42
2GAD series	52	2PAD series	52
2GCL series	43	2PCL series	43
2GH series	44	2PH series	44
2GP series	51	2PP series	51
2GPD series	46	2PPD series	46
2GPL series	47	2PPL series	47
2GR series	48	2PR series	48
2GS series	49	2PS series	49
2GSL series	45	2PSL series	45
2GX series	50	2PX series	50

SLENDEX TROFFERS

RSXF4-40 55
RSXG4-40 55
RSXP4-40 55
RSXT4-40 55

COSTS OF SPEEDOMATIC TROFFERS ARE SIMPLE TO FIGURE

Select basic type of troffer from ceiling index on Page 7. Refer to page listing units with desired shielding medium. Find cost of required basic type and multiply the cost of the desired unit by the number of troffers required and you have the answer. Nothing else to figure — everything is included in the price.

SPEEDOMATIC CATALOG NUMBERS ARE EASY TO READ

The first number refers to the width of the troffer (1—1-foot wide, 2 — 2-foot wide). The first letter refers to the basic type of troffer (see page 40); the following letter or letters refer to the type of shielding; the next number refers to the number of lamps, and the last numbers following the dash refer to the number of watts per lamp.

EXAMPLE

WIDTH	TYPE	SHIELDING	NO. OF LAMPS	NO. OF WATTS PER LAMP
1′	Flanged	Styrotex	2	40

Catalog No. — 1FX2-40

WHEN ORDERING SPEEDOMATIC TROFFERS

Specify catalog numbers of troffer. Specify whether for individual or continuous row mounting. If continuous row, specify number and length of rows.

CONDITIONS OF SALE

TRANSPORTATION CLAIMS:
Our responsibility for safe delivery ceases when goods have been turned over in good condition to the transportation company. Shipments must be thoroughly checked immediately upon receipt for transportation damage, and if damaged, claims entered at once with carrier.

SHIPMENTS OUTSIDE DISTRIBUTOR'S TRADING AREA:
The company reserves the right to refuse to make direct shipments to destination points outside the area normally serviced by the distributor.

TERMS:
A cash discount of 1% will be allowed on the net amount of invoice dated from the 1st to the 15th inclusive, if paid not later than the 25th of the same month, and on invoices dated from the 16th to the last of the month inclusive, if paid not later than the 10th of the following month. Otherwise, terms are net 30 days from date of invoice.

Minimum charge per order: Contractor—Dealer—$10.00; User—$12.00.

RETURNS:
Fixtures or parts will be accepted within 6 months of shipping date for return only when authorized by us in writing from the home office at Chelsea, Mass. We will grant permission for the return if the material is new, is currently a listed item, and is received by us in good condition. From the credit to be issued, we will deduct transportation expenses both ways, and in addition a minimum service charge of 15% of the invoice value. We will charge for costs incurred in handling, reconditioning, repacking in new cartons and putting the material in saleable condition. Products returned for defects in manufacture or errors in shipment will be accepted at full credit and without service charge. No product will be accepted for return if specially manufactured or specially made in any way to vary from our standard construction or finish.

FREIGHT ALLOWANCE:
Deliveries are F. O. B. shipping point with transportation allowed to destination within the continental United States on an order calling for a shipment of $375 or more. Routing and means of transportation will be of our selection unless otherwise requested by the purchaser, in which case the purchaser will assume any additional transportation charges.

PRICE CHANGES AND QUOTATIONS:
Prices are subject to change without notice. Distributor stock orders will be billed at prices in effect at time of shipment. Direct shipments to distributors' customers will be billed at prices and conditions as agreed at time order is accepted. All orders and quotations are subject to review and acceptance by the home office at Chelsea, Mass. Prices are subject to increase by the amount of any present or future taxes or increase in taxes upon the manufacture, sale, use or transportation of the herein products imposed by Federal, State, Municipal or other public authorities which the Seller may be required to pay.

DELIVERY CONTINGENCIES:
Delivery of all or any part of an order is contingent on our ability to get supplies and raw materials, and is further limited to the extent that our ability to deliver may be affected by requirements or regulations of the United States Government. All quotations and agreements as to deliveries including the acceptance of all orders and their delivery are subject to all Federal and State Laws, rulings, and regulations, and are also subject to strikes, labor stoppages, casualties, fires and any other causes beyond our control.

GUARANTEE:
Smithcraft fixtures bear the label of the Underwriters' Laboratories, Inc. Fixtures are Union Manufactured and assembled, and bear the label of the I. B. E. W., A. F. of L. Fixtures are tested before shipping, are in good working order, and are guaranteed to be free from defective material and workmanship. A new part will be furnished in exchange for any part in a fixture which under normal use and service discloses a defect within a period of one year after date of installation. This guarantee applies only to fixtures sold for use in the United States. Our liability extends only to the replacement of the defective part or parts. We will not allow any charge for labor, materials, etc. that does not have our written approval before such work is begun.

STANDARDS OF QUALITY

Smithcraft fluorescent fixtures are designed and manufactured to a standard of quality which is guaranteed to equal or exceed the highest accepted standards of the industry. All electrical components in the lighting fixtures described on the following pages are ETL-certified and bear the UL label unless specifically listed to the contrary, or unless certification has not as yet been given to the classification of the component. All components incorporated into Smithcraft fluorescent fixtures (lampholders, ballasts, starters, etc.) are supplied by nationally recognized manufacturers and are fully guaranteed by Smithcraft.

GENERAL ORDERING INFORMATION

WIRING DATA: Fixtures are furnished individually wired not including circuit wires. 118-volt, 60 cycle, AC is standard on all fixtures. Where fixtures are listed for six lamps as in "3-42" units, prices are based on the use of three two-lamp ballasts per fixture.

LAMPS NOT INCLUDED: Fixtures are furnished without lamps. The lamp designations shown under "No. and Type of Lamps" are for convenience when ordering lamps from the Supplier. The color required should be added to these designations.

CERTIFIED BALLASTS: All Slimline and Rapid-Start units are priced with CBM-CERTIFIED SERIES-SEQUENCE induction type 430 milliampere ballasts by manufacturer of our selection.

FUSEHOLDER AND FUSE: One per ballast—HLR Fuseholder with GLR fuse—designed for any application of 300 volts or less wired into line.

FBI	Amperage as required	$.53	$.44	

RADIO INTERFERENCE SUPPRESSORS:

No. 89G635 wired into fixture	$5.10	$4.25	
No. CD105 wired into fixture	1.65	1.38	

SPECIAL VOLTAGES AND LEAD-LAG BALLASTS: Fixtures for other voltages and cycles (except for 277-volts, as listed below), including lead-lag ballasts are available on special order and price. Check Smithcraft representative for added costs.

FIXTURES FOR 277-VOLTS. Fixtures for 277-volts are available according to the following schedule of adders to the listed fixture prices.

FOR 4' RAPID-START BI-PIN LAMPS				
1 lamp	Add to fixture price	.38	.31	
2 lamps	"	.38	.31	
3 lamps	"	.75	.63	
4 lamps	"	.75	.63	
6 lamps	"	1.13	.94	

FOR 8' SLIMLINE LAMPS
(Series-sequence)

1 lamp	Add to fixture price	.38	.31	
2 lamps	"	.38	.31	
3 lamps	"	.75	.63	

LEVOLIER PULL SWITCHES: May be furnished installed in all commercial and industrial fixtures at added cost shown below, for 6 ampere rating:

Catalog No.	User Net Price	Contr-Dealer Net Price	
P400 #1 Single Pole wired into fixture	$1.43	$1.19	

ACCESSORIES: For hanging devices and stem sets for commercial fixtures, see Page 28. For industrial fixture accessories, see Page 35.

THE *Smithcraft* BONDERITE AND BAKED ENAMEL PROCESS

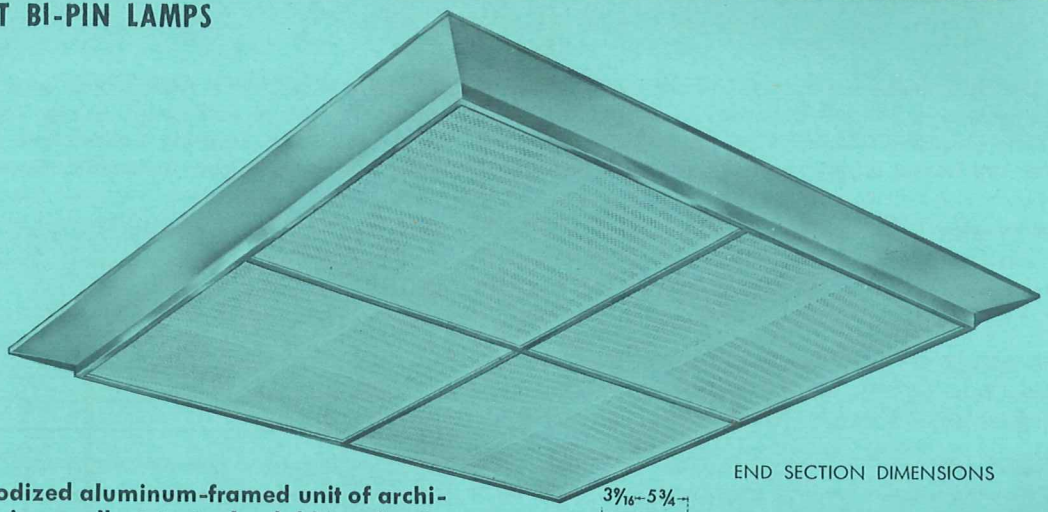
For maximum corrosion resistance and paint adhesion, all steel parts of Smithcraft Fluorescent Lighting Fixtures are protected by a 5-stage wash and phosphatize Bonderite process prior to finishing with high temperature baked enamel. In addition to its superior appearance, this Smithcraft finish has these outstanding qualities:

- Adheres firmly to metal
- Stays white indefinitely without yellowing
- Provides positive resistance to heat and chemicals
- Resists abrasion because of optimum hardness
- Reflects a maximum percentage of light

FOR *Smithcraft* FORUM FOR

FOR RAPID-START BI-PIN LAMPS

LIGHT DISTRIBUTION $\frac{0\uparrow}{100\downarrow}$



Large, extruded, anodized aluminum-framed unit of architectural beauty . . . in excellent taste for lobbies, banks insurance companies, public buildings, institutions, etc. Nearly 35% larger than conventional 4′ x 4′ or 2′ x 4′ units. Designed so the sides of the unit and surrounding ceiling are softly lighted by illumination from the fixture.

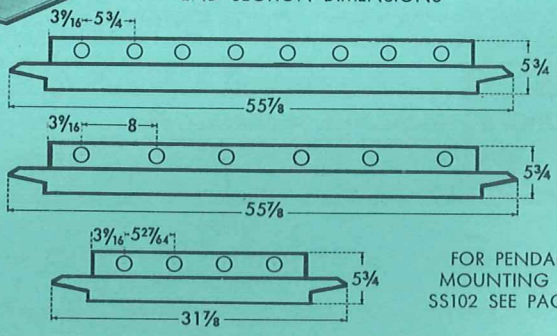
With Smithcraft Cubex Aluminum Louvers with ½″ x ½″ x ½″ cells providing 45° x 45° shielding the Forum is low-bright, presenting a "textured" appearance, a pleasing crispness and providing a good efficiency. Light-weight, yet strong and durable, Cubex Louvers are permanently locked at each intersection. Cubex Louvers are finished in white non-specular baked white enamel.

With Holophane Prismalume Controlens®#6024 Forum has both longitudinal and transverse light control resulting in glare-free illumination and absence of shadows. Prismatic construction permits high lighting levels without visual discomfort.

With Plastic Louvers, 45° x 45° shielding is provided in a very clean pleasing appearance.

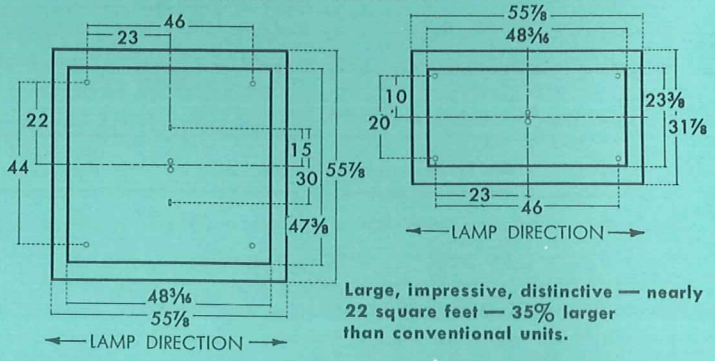
Surface or pendant mounted. Housing is surface mounted through knockouts in four corners. One-piece shielding assembly hooks on from (and may be removed from) either side to swing down on heavy cast aluminum hinges by simple finger action on spring-activated catches. Pendant mounted with four stem sets (SS102) through knockouts in four corners.

END SECTION DIMENSIONS



FOR PENDANT MOUNTING USE SS102 SEE PAGE 28

SPACING OF KNOCKOUTS



Large, impressive, distinctive — nearly 22 square feet — 35% larger than conventional units.

FOR RAPID-START BI-PIN LAMPS

CUBEX ½″ x ½″ x ½″ ALUMINUM LOUVERS (45° x 45° SHIELDING)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price	
56″ x 56″ UNITS (4′ x 4′ MODULE)					
FOR8-40CL	8 F40T12RS	90	**$183.68**	**$153.06**	
FOR6-40CL	6 F40T12RS	85	**171.75**	**143.13**	
32″ x 56″ UNITS (2′ x 4′ MODULE)					
FOR4-40CL	4 F40T12RS	61	**121.80**	**101.50**	

HOLOPHANE PRISMALUME CONTROLENS® #6024

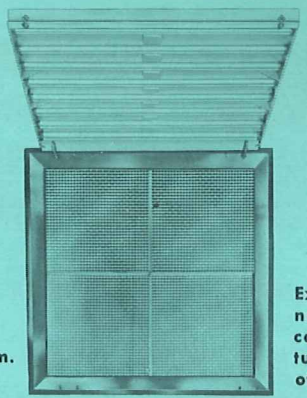
56″ x 56″ UNITS (4′ x 4′ MODULE)					
FOR8-40H	8 F40T12RS	94	**230.55**	**192.13**	
FOR6-40H	6 F40T12RS	89	**214.65**	**178.88**	
32″ x 56″ UNITS (2′ x 4′ MODULE)					
FOR4-40H	4 F40T12RS	63	**143.10**	**119.25**	

PLASTIC LOUVERS (45° x 45° SHIELDING)

56″ x 56″ UNITS (4′ x 4′ MODULE)					
FOR8-40PL	8 F40T12RS	78	**166.95**	**139.13**	
FOR6-40PL	6 F40T12RS	73	**155.03**	**129.19**	
32″ x 56″ UNITS (2′ x 4′ MODULE)					
FOR4-40PL	4 F40T12RS	55	**113.70**	**94.75**	

Lighting from sides creates a pleasing effect, illuminating sides and the surrounding ceiling.

Finish of frame is anodized aluminum.



One-piece shielding assembly hinges from either side on heavy cast aluminum alloy hinges. Spring activated catches easily released. Shielding assembly easily removed by lifting from unit.

Extruded anodized aluminum frame with mitered corners — clean, architectural lines. Cross tees are of extruded aluminum.

FORUM WITH ANODIZED BRONZE FINISH

Available for use where a bronze finish will harmonize with and enhance the surroundings. Change catalog prefix to FBR.

	User Net Price	Contr-Dealer Net Price	
Add to price of 56″ wide units	**$9.60**	**$8.00**	
Add to price of 32″ wide units	**6.38**	**5.31**	

PACKED ONE UNIT TO A CARTON. SHIELDING PACKED SEPARATELY.

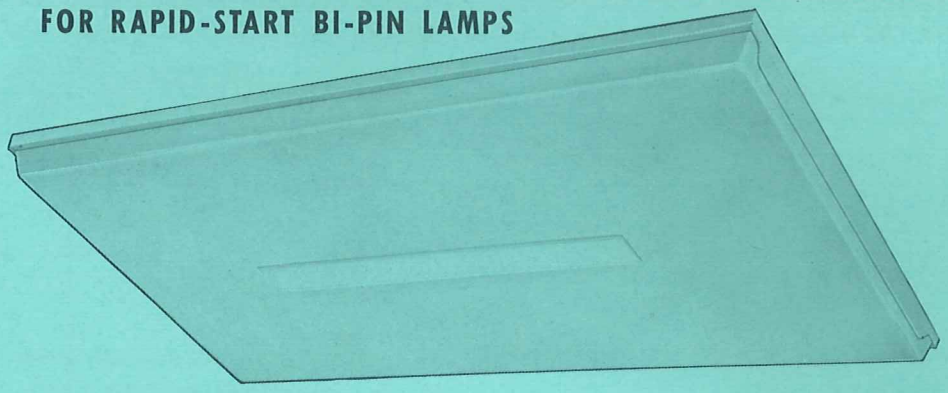
® The Holophane Company Inc.

SSX *Smithcraft* SLENDEX (SURFACE MOUNTED) 1′ and 2′ WIDE SSX

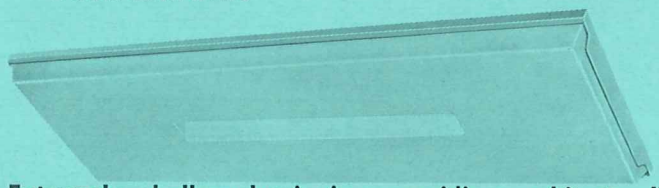
LIGHT DISTRIBUTION $\frac{0 \uparrow}{100 \downarrow}$

FOR RAPID-START BI-PIN LAMPS

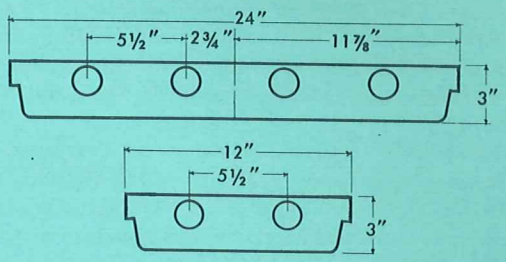
2′ x 4′ SLENDEX FOR
4 RAPID-START LAMPS



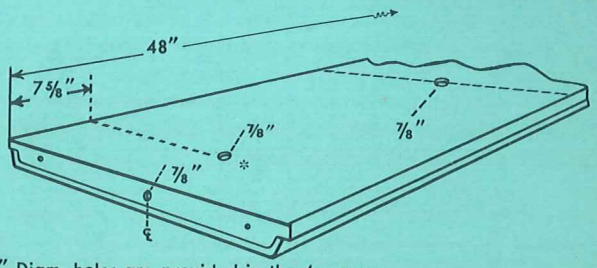
1′ x 4′ SLENDEX FOR
2 RAPID-START LAMPS



END SECTION DIMENSIONS



SPACING OF KNOCKOUTS



3/16″ Diam. holes are provided in the 4 corners for toggle bolts, screws, etc.

*THIS K.O. ON ONE END ONLY

Extremely shallow luminaires providing architecturally clean and pleasing lighting for today's interiors. Units have an overall depth including shielding of only 3″. These units provide excellent lighting for low-ceilinged areas. Shielded by an extruded polystyrene diffusing panel, the surface of the unit is cleanly and uniformly lighted . . . pleasing and glare-free. No dark streaks or light leaks. Panels are of high impact strength, break resistance and light stability after prolonged use. Easily and quickly mounted by the use of screws, expansion bolts, etc., the light-weight housing is mounted on the ceiling, and the polystyrene diffusing panel is simply snapped in without tools. Plastic diffusing panels are easily opened for servicing or relamping. May be removed entirely without use of tools or loose parts. Side from which shielding hinges is optional.

FOR RAPID-START BI-PIN LAMPS

ONE-FOOT WIDE (1′ x 4′)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SSX2-40	2 F40T12RS	23	$32.93	$27.44	

TWO-FOOT WIDE (2′ x 4′)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SSX4-40	4 F40T12RS	37	$56.33	$46.94	

PACKED ONE COMPLETE UNIT TO A CARTON.

NOTE: It is important when ordering to supply row information (number of rows and number of units per row) so that necessary fittings will be supplied at no additional cost.

Extremely shallow . . . housing depth 1⅜″ . . . shielding depth 1⅝″. Overall depth only 3″. 1′ and 2′ wide.

Side from which panel hinges is optional.



No light leaks.

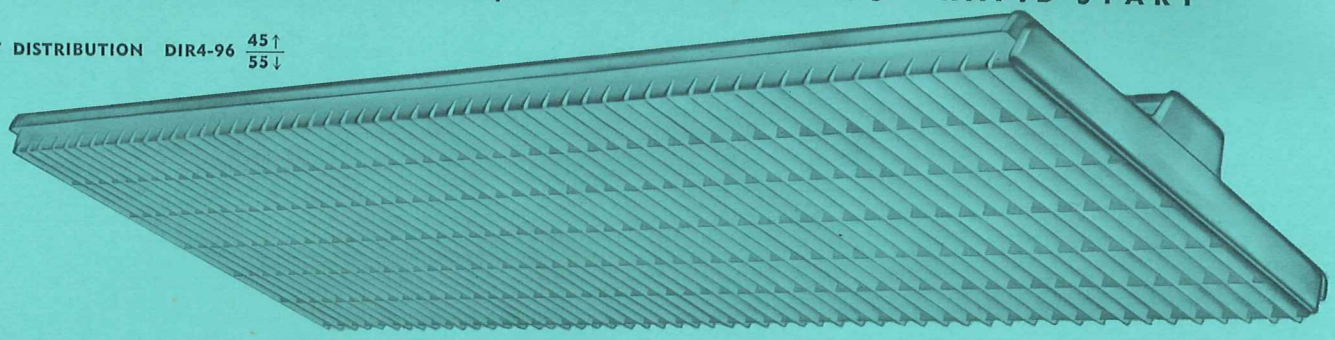
Architecturally clean, uniformly lighted plastic diffusing panel — no dark streaks.

Plastic panel releases and closes quickly and efficiently with simple finger action.

SLENDEX UNITS FOR RECESSED MOUNTING — SEE PAGE 55

FOR SLIMLINE LAMPS; FOR BI-PIN LAMPS— RAPID START

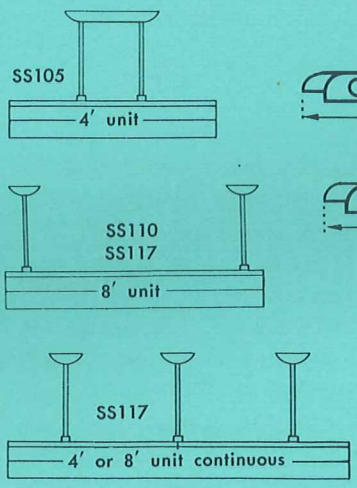
LIGHT DISTRIBUTION DIR4-96 $\frac{45\uparrow}{55\downarrow}$



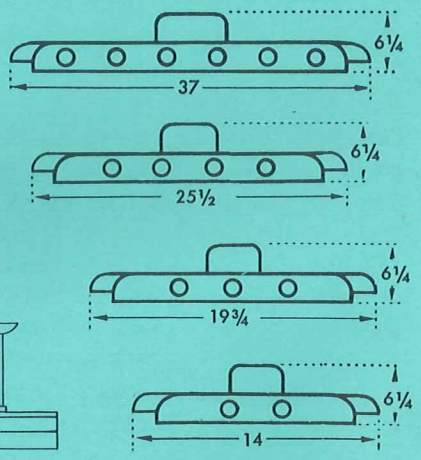
For a truly sound investment of lighting dollars, the Smithcraft Director is in a class by itself! Installed in literally thousands of banks, stores, schools, offices and similar locations across the United States, the Director is actually a "lighting element" that provides highest quality illumination through a large "area of light" source.

Through its distinctive appearance and outstanding lighting qualities the Director brings many "plus" values wherever it is installed. The Director is an all-steel, louvered unit finished in White Supercoat Baked Enamel with end sections in aluminum finish. It may be mounted individually or in continuous rows, surface or pendant. Rigid egg-crate louvers, supplied in the same length as the unit provide a shielding of 25° crosswise, 35° lengthwise. If desired, a deluxe louver may be supplied to provide increased shielding to 40° crosswise; 35° lengthwise. (See opposite page). For relamping or other maintenance the louver is released from either end and is "shelf-suspended." Top reflectors may be supplied to direct all or part of the uplighting downwards.

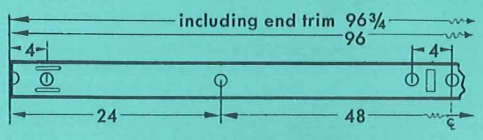
SUGGESTED PENDANT MOUNTING

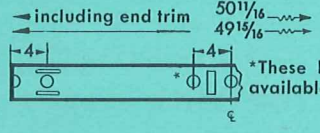


END SECTION DIMENSIONS

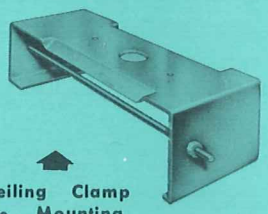


SPACING OF 11/16 KNOCKOUTS

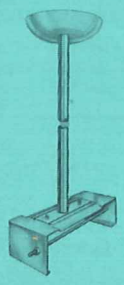




*These knockouts are not available on Dir6-40 —



CC503 — Ceiling Clamp for Surface Mounting
Clamps (two per fixture) are fastened to ceiling and Director is inserted. Bolts are tightened.



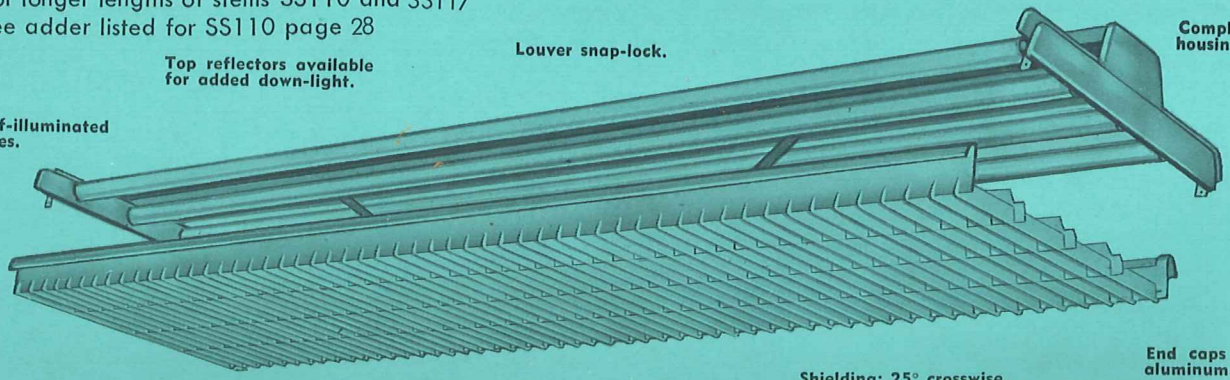
SS117 — Canopy and Stem-Set for Pendant Mounting the Director
Fixture is inserted and clamps and bolts are tightened. Single 24" steel stem (O.D. 11/16").



SS110 — Canopy and Stem-Set for Pendant Mounting the Director
Single 24" steel stem (O.D. 11/16), Canopy bar, levelling strap, fittings.

Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
SS110	Canopy and Stem-Set	$2.63	$2.19	
SS117	Canopy and Stem-Set	2.63	2.19	
CC503	Ceiling Clamp ea.	.90	.75	

For longer lengths of stems SS110 and SS117 see adder listed for SS110 page 28



FOR SLIMLINE LAMPS; FOR BI-PIN LAMPS—RAPID-START

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
DIR2-40	2 F40T12RS	35	$33.54	$27.95	
DIR3-40	3 F40T12RS	42	49.46	41.21	
DIR4-40	4 F40T12RS	45	60.30	50.25	
DIR6-40	6 F40T12RS	63	82.44	68.70	

Due to ballast interference with knockouts, for surface mounting (DIR6-40) two CC503 clamps will be furnished no charge. For pendant mounting use SS117 or SS110 at extra cost as listed on the opposite page.

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
DIR2-96	2 F96T12	58	$62.87	$52.39	
DIR3-96	3 F96T12	81	91.65	76.38	
DIR4-96	4 F96T12	86	95.79	79.83	
DIR6-96	6 F96T12	131	155.54	129.61	

DIRECTOR WITH DELUXE LOUVERS

Providing shielding 40° crosswise, 35° lengthwise

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
DIR2-40DL	2 F40T12RS	38	$35.96	$29.96	
DIR3-40DL	3 F40T12RS	45	52.34	43.61	
DIR4-40DL	4 F40T12RS	49	63.66	53.05	
DIR6-40DL	6 F40T12RS	67	87.20	72.66	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
DIR2-96DL	2 F96T12	67	$67.16	$55.97	
DIR3-96DL	3 F96T12	90	96.87	80.73	
DIR4-96DL	4 F96T12	95	102.57	85.48	
DIR6-96DL	6 F96T12	139	165.75	138.13	

ALL DIRECTOR UNITS SHOWN ABOVE ARE AVAILABLE ON SPECIAL ORDER AND PRICE WITH 800-MA RAPID-START LAMPS

Packed one complete housing to a carton; two louvers to a carton except that louvers for all Director 6-light units and the DIR4-96 are packed one louver to a carton. Louvers for the DIR4-40 and DIR2-96 are packed one louver to a carton for stock shipments. Fittings for normal continuous mounting included.

DIRECTOR FOR POWER-GROOVE LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price	
DIR2-96PG	2 F96PG17	76	$106.50	$88.75	
DIR2-48PG	2 F48PG17	45	69.75	58.13	

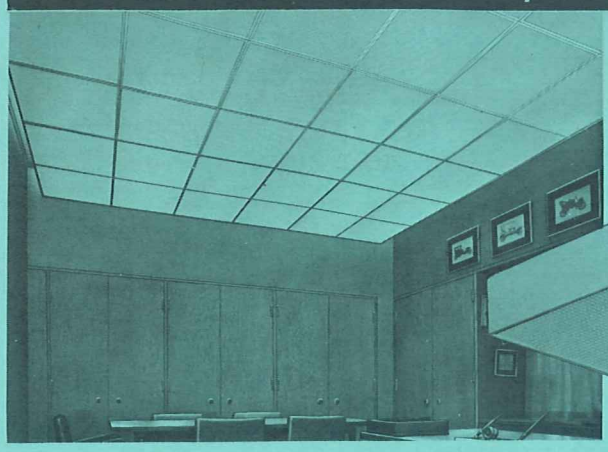
TOP REFLECTORS

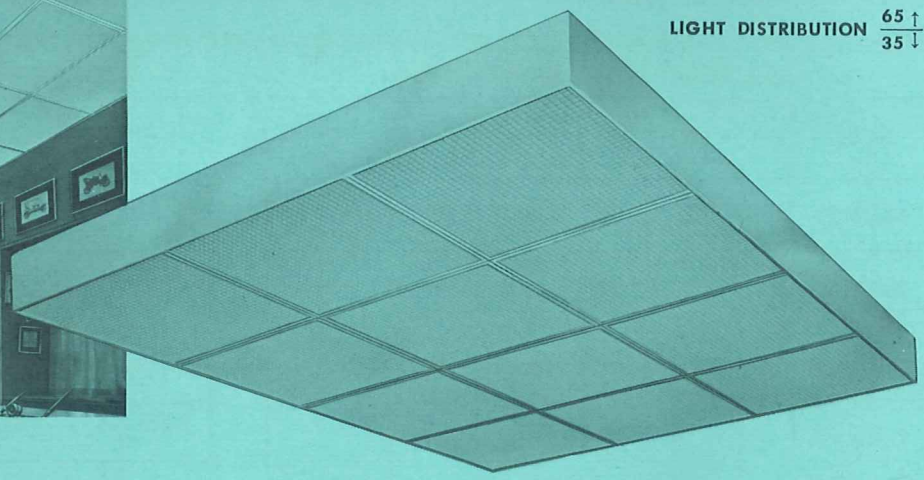
Top reflectors may be supplied to direct all of the uplighting downwards or they may be supplied for partial downlighting.

Catalog No. and Description		For Use With	User Net Price	Contr-Dealer Net Price	
D820	Pair of top reflectors for 100% down-lighting 2-light fixtures	Director 2-light, 8′ Slimline Series	$4.29	$3.58	
DB420		Director 2-light, 4′ Bi-Pin Series	2.42	2.01	
Note: The top reflectors listed directly above may be used with 4-light, and 6-light Directors for partial additional down-lighting.					
D830	Pair of top reflectors for 100% down-lighting 3-light fixtures	Director 3-light, 8′ Slimline Series	$6.17	$5.14	
DB430		Director 3-light 4′ Bi-Pin Series	3.36	2.80	

Catalog No. and Description		For Use With	User Net Price	Contr-Dealer Net Price	
D840	Pair of top reflectors for 100% down-lighting 4-light fixtures	Director 4-light, 8′ Slimline Series	$8.58	$7.15	
DB440		Director 4-light, 4′ Bi-Pin Series	4.76	3.96	
Note: The top reflectors listed directly above may be used to provide partial additional down-lighting with 6-light Director units.					
D860	Pair of top reflectors for 100% down-lighting 6-light fixtures	Director 6-light, 8′ Slimline Series	$12.87	$10.73	
DB460		Director 6-light, 4′ Bi-Pin Series	7.17	5.98	

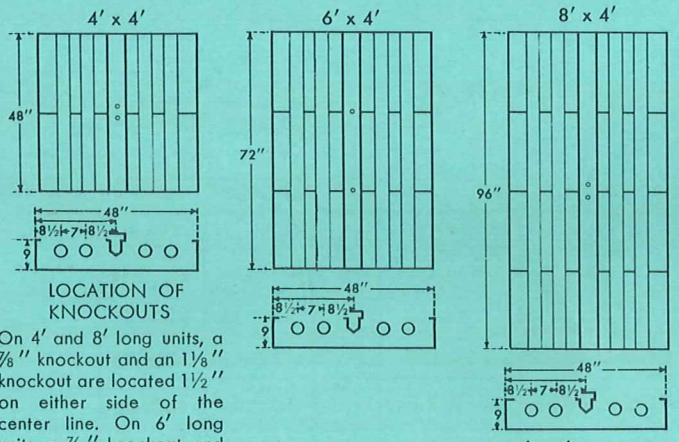
SEE PAGE 5 FOR IMPORTANT ORDERING INFORMATION.





LIGHT DISTRIBUTION $\frac{65\uparrow}{35\downarrow}$

OVERALL DIMENSIONS AND SPACING OF LAMPS



LOCATION OF KNOCKOUTS

On 4′ and 8′ long units, a ⅞″ knockout and an 1⅛″ knockout are located 1½″ on either side of the center line. On 6′ long units, a ⅞″ knockout and an 1⅛″ knockout are located 11½″ on either side of the center line.

WIRING IS BROUGHT INTO HOUSING THROUGH AVAILABLE KNOCKOUTS ON TOP OF HOUSINGS IN AN APPROVED MANNER

Smithcraft Large Element Lighting is an important new technique in the application of very high levels of illumination with maximum comfort and with uniform low brightness. Large Element Lighting consists of large modules which are architectural in form — functional and unobtrusive. These modules are used separately or assembled to create a system which provides the effect, the economies and the utility of dropped ceiling construction along with new economies of installation.

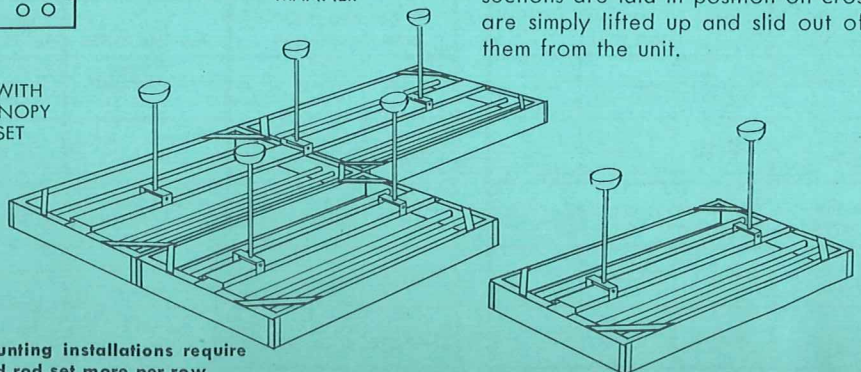
These Smithcraft Large Element modules have exact dimensions in both directions so they may be used to create **exactly** any multiple of 2′ in length or in width from 4′ x 4′ up. With five different sizes of units, a wide variety of areas and patterns are possible. Smithcraft Large Elements are joinable in both directions.

Lighting characteristics are excellent for very high levels of illumination. The surface appearance of a Large Element installation is comfortable, uniform, clean and trim. The upper room walls at the periphery are flooded by light above the unit. When this region is in the line of vision an otherwise disturbing brightness contrast of walls to luminaire surface is eliminated.

Large Element Lighting is easy and economical to install because each element comes from the factory packed in a single carton (less shielding) and no further assembly is required other than installing the shielding. An element is removed from the carton and hung on rods and levelled very much as you would mount a conventional fluorescent lighting fixture. Very large areas composed of large element modules may be installed in an amazingly short time effecting substantial savings. Large Element Lighting hangs free from the wall eliminating all the costly wall attachments. Elements may be joined together in either direction by bolting the sides.

Maintenance and relamping are simple. The 2′ x 2′ diffuser sections are laid in position on cross tees and for maintenance are simply lifted up and slid out of the way without removing them from the unit.

MOUNTING WITH THE SS119 CANOPY AND ROD SET



Large Element units with Top Reflectors for all downlighting are available (See opposite page). T-flanges for supporting peripheral material may also be purchased.

Continuous mounting installations require one canopy and rod set more per row than the number of units in a row. In side by side mounting of units, 2 canopy and rod sets per unit are required

Individual units require 2 canopy and rod sets per unit

WITH CUBEX ALUMINUM ½" x ½" x ½" LOUVERS (PROVIDING 45° x 45° SHIELDING)

(For 430-MA Slimline Lamps)					Size of Unit and No. of Lamps			(For Power-Groove Lamps)				
Catalog No.	Ship. Wt.	User Net Price	Contr. Dealer Net Price		Length	Width	No. of Lamps	Catalog No.	Ship. Wt.	User Net Price	Contr. Dealer Net Price	
LE44-CL	93	$145.50	$121.25		4′	4′	4	LE44PG-CL	113	$179.25	$149.38	
LE64-CL	117	187.50	156.25		6′	4′	4	LE64PG-CL	143	250.50	208.75	
LE84-CL	143	215.78	179.81		8′	4′	4	LE84PG-CL	169	278.78	232.31	
LE66-CL	149	241.50	201.25		6′	6′	6	LE66PG-CL	188	336.00	280.00	
LE86-CL	181	288.38	240.31		8′	6′	6	LE86PG-CL	220	382.88	319.06	

WITH PLASTIC LOUVERS (PROVIDING 45° x 45° SHIELDING)

LE44-PL	91	$119.40	$ 99.50		4′	4′	4	LE44PG-PL	111	$153.15	$127.63	
LE64-PL	115	157.13	130.94		6′	4′	4	LE64PG-PL	141	220.13	183.44	
LE84-PL	140	175.88	146.56		8′	4′	4	LE84PG-PL	166	238.88	199.06	
LE66-PL	146	198.00	165.00		6′	6′	6	LE66PG-PL	185	292.50	243.75	
LE86-PL	177	240.00	200.00		8′	6′	6	LE86PG-PL	216	334.50	278.75	

WITH HOLOPHANE PRISMALUME CONTROLENS® #6024

LE44-H	117	$171.90	$143.25		4′	4′	4	LE44PG-H	137	$205.65	$171.38	
LE64-H	154	220.50	183.75		6′	4′	4	LE64PG-H	180	283.50	236.25	
LE84-H	192	273.38	227.81		8′	4′	4	LE84PG-H	218	336.38	280.31	
LE66-H	204	306.00	255.00		6′	6′	6	LE66PG-H	243	400.50	333.75	
LE86-H	255	377.25	314.38		8′	6′	6	LE86PG-H	294	471.75	393.13	

WITH POLYSTYRENE PLASTIC DISH

LE44-PD	89	$119.63	$ 99.69		4′	4′	4	LE44PG-PD	109	$153.38	$127.81	
LE64-PD	111	154.50	128.75		6′	4′	4	LE64PG-PD	137	217.50	181.25	
LE84-PD	135	174.00	145.00		8′	4′	4	LE84PG-PD	161	237.00	197.50	
LE66-PD	140	187.50	156.25		6′	6′	6	LE66PG-PD	179	282.00	235.00	
LE86-PD	169	228.00	190.00		8′	6′	6	LE86PG-PD	208	322.50	268.75	

Large Element units are available for 800-MA Rapid- Start Lamps on special order and price.

ADDER FOR LARGE ELEMENT UNITS WITH TOP REFLECTORS (COMPLETELY ENCLOSED FOR ALL DOWNLIGHTING)

ADD to Large Element Prices shown above

Catalog No.	User Net Price	Contr. Dealer Net Price	
all LE44 units	$ 9.60	$ 8.00	
all LE64 units	14.40	12.00	

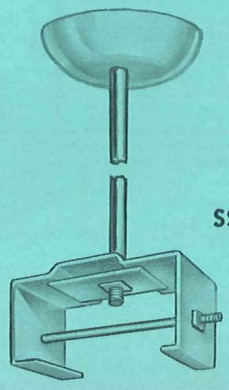
Catalog No.	User Net Price	Contr. Dealer Net Price	
all LE84 units	$19.20	$16.00	
all LE66 units	21.60	18.00	
all LE86 units	28.80	24.00	

T-FLANGES FOR LARGE ELEMENT UNITS for supporting peripheral material. Necessary holes, nuts and bolts for attachment provided. Send sketch and proper mitering of flanges will be provided.

$.52	$.44	
cost per linear foot		

SS119 CANOPY AND ROD SET 2 required per Large Element unit in individual mounting or in side-by-side mounting. In continuous mounting, one more canopy and rod set is required than the number of units in the row or two rod sets may be used. Couplings are furnished for continuous mounting.
Quickly and easily mounted to outlet box or ceiling, saving hours of costly installation time. May be slid anywhere along the length of the Large Element housing. Levelling screws permit exact levelling after installation.
Consists of canopy, single 18" long ⅜" diameter rod, heavy canopy bar, fittings, clamp hanger with levelling screws. To determine actual distance from the ceiling to the top of the unit.

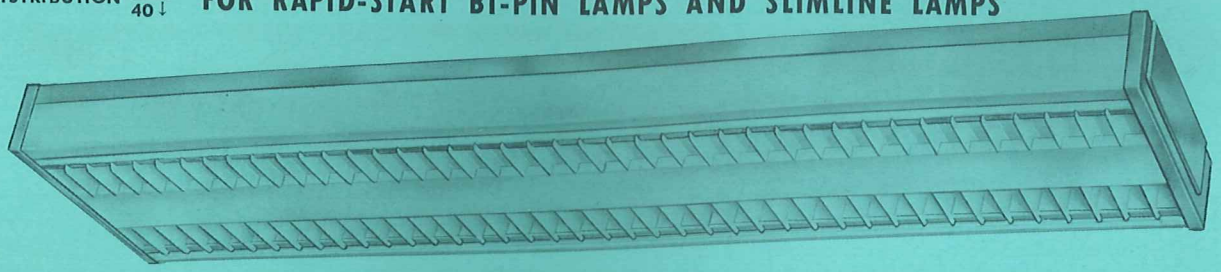
Catalog No.	User Net Price	Contr. Dealer Net Price	
No. SS119	$2.63	$2.19	
For rod set listed above, for longer lengths, add for each foot or fraction thereof	.44	.36 Per foot per rod	



SS119

LIGHT DISTRIBUTION $\frac{60\uparrow}{40\downarrow}$

FOR RAPID-START BI-PIN LAMPS AND SLIMLINE LAMPS

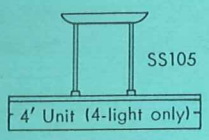


The Twosome by Smithcraft is a high quality, top value, economical unit, ideal for schools, offices, stores, and similar installations. The unit has a new **compound shielding** which, because of a unique new design technique, provides **45° x 45° shielding** in a very shallow unit (only 3 11/16" deep). Because of this new design technique, there is a complete absence of the dark center streak, usually found in very shallow units of other manufacture. This unit presents a perfectly clean, unmarred appearance. A light spill at the ends of the unit accents the precise architectural lines of the fixture and improves contrast between fixture sides and ends when installed individually.

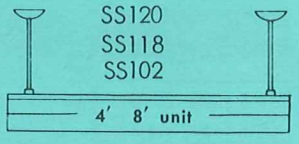
Bottom shielding is a combination of a strip of extruded polystyrene with white steel baffles on either side. Side diffusers are also of extruded polystyrene within a steel frame.

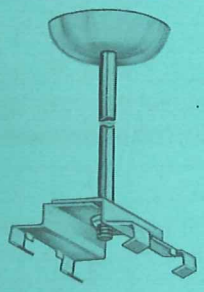
The bottom shielding, together with the side shields is a complete assembly which is hinged from either side or easily lifted from the unit. The unit may be surface or pendant mounted individually or in continuous rows.

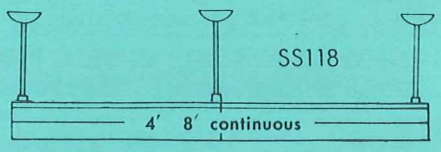
SUGGESTED PENDANT MOUNTING



FOR SS105 PRICES SEE PAGE 28

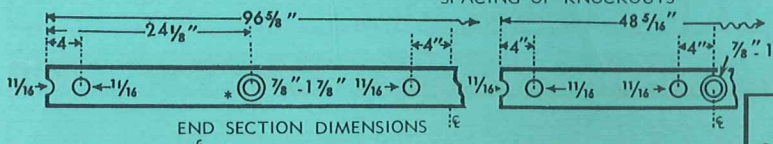




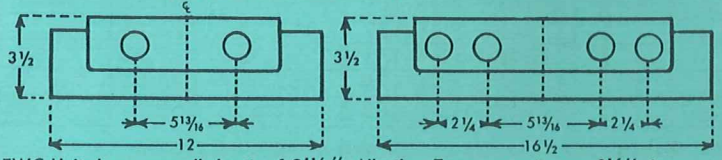


SS118 — Canopy and Stem Set — For fast labor-saving installation one side of clamp fits on housing — other side swings down to grip housing. Top lock nut is tightened. Clamp is slideable along housing when individually mounted. May be used between fixtures in continuous rows.

SPACING OF KNOCKOUTS



END SECTION DIMENSIONS



TWC Units have overall depth of 3 11/16". All other Twosome units are 3½" deep.

Catalog No. and Description	User Net Price	Contr-Dealer Net Price	
SS118 Canopy and Stem Set — Canopy, single 15" steel stem (o.d. ½"), heavy canopy bar, tong channel bracket, adjustable stem fittings.	$2.25	$1.88	
For longer lengths, add for each foot or fraction thereof	.45	.38	

COMPOUND SHIELDING (PROVIDING 45° x 45° SHIELDING)

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TWC2-40	2 F40T12/RS	22	$25.95	$21.63	
TWC2-42	4 F40T12/RS (8' Housing)	42	50.93	42.44	
TWC4-40	4 F40T12/RS	31	41.25	34.38	
TWC4-42	8 F40T12/RS (8' Housing)	60	80.93	67.44	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TWC2-96	2 F96T12	46	$47.48	$39.56	
TWC4-96	4 F96T12	65	74.63	62.19	

Packed one complete unit to a carton with all fittings for normal continuous row mounting.

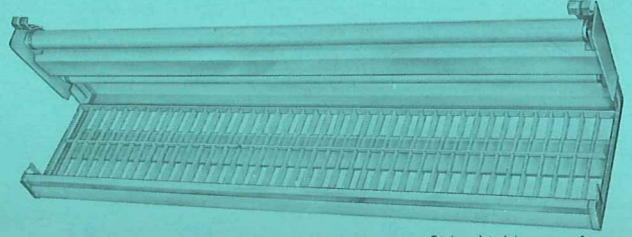
TOP REFLECTORS FOR DOWNLIGHTING (cost per pair of reflectors per fixture)

Catalog No.	For Use With	User Net Price	Contr-Dealer Net Price	
T-48	4' units — 2 lamp	3.00	2.50	
T-484	4' units — 4 lamp	4.43	3.69	

Catalog No.	For Use With	User Net Price	Contr-Dealer Net Price	
T-962	8' units — 2 lamp	5.93	4.94	
T-964	8' units — 4 lamp	8.70	7.25	

No dark center streak — a perfectly clean, unmarred appearance. A very shallow unit — only 3 11/16" deep.

Bottom shielding together with side shields is a complete assembly. Hinges from either side. Easily removed entirely from fixture.



Side shields are of extruded polystyrene.

May be mounted surface or pendant, individually or in continuous rows.

Light spill at end caps reduces contrast between fixture ends and sides.

YOUR NEW 1960 SMITHCRAFT PRICE LIST

Check these new developments!

NEW! ***Direct Power-Groove Units* (Page 9)**
Utilizes the far greater lumen output of PG lamps in an attractive, comfortable commercial unit. A two light PG unit produces as many lumens as a six light Rapid Start or Slimline unit.

●

NEW! ***Large Element with Power-Groove, Large Element with Top Reflectors, Large Element with T-flanges for supporting peripheral material.* (Pages 10-11)**

●

NEW! ***Smithcraft Federal Matching Four-Light Unit* (Page 18)**
A new moderately priced shallow commercial unit with 11 different shieldings — a wide selection of glass, plastic and various types of louvers. Available in stock about February 15.

●

NEW! ***Smithcraft Federal Matching Four-Light Unit* (Page 18)**
A four-light unit providing 40° x 45° shielding that matches the fast-moving Smithcraft New Federal two-light unit. Available about April 1.

●

NEW! ***Contrex Developments* (Page 29)**
New Contrex Soundsheet Tension-framed panels and framed Acrilume pans. (For use in Smithcraft Area Illumination — Page 25)

●

NEW! ***Speedomatic Troffers with Acrylic Plastic Dishes* (Page 52)**

Orders actually received by Smithcraft before the close of business on December 31 will be billed at current prices rather than the new prices, which will become effective January 4.

There have been slight price adjustments in some of the units in the Smithcraft line reflecting here and there increased labor and material costs.

The freight allowance has been changed to "orders calling for shipments of a minimum of $375 (at contractor level)".

If you need extra price lists just drop us a line.

Smithcraft CORPORATION
CHELSEA 50, MASSACHUSETTS

T SHIELDING MEDIA



TWOSOME WITH ALBALITE GLASS

5° x 45° Shielding)

LIMLINE LAMPS (430-MA)

nd Type Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
F96T12	39	$48.98	$40.81	
F96T12	53	80.33	66.94	

plastic louvers provide shadow-less illumina-trim in appearance.

HIELDING

2 F96T12	39	48.23	40.19	
4 F96T12	60	76.50	63.75	

ttractive, maximum hiding power, maximum

TYRENE

2 F96T12	36	52.80	44.00	
4 F96T12	48	83.40	69.50	

pearance, high impact strength, break resistance bility after prolonged use.

E GLASS

2 F96T12	48	48.75	40.63	
4 F96T12	66	78.98	65.81	

light opal glass — with pleasing light distribution.

TWOSOME WITH RIBBED [illegible]TEX GLASS

TWR2-40 TWR2-42	2 F40T12RS 4 F40T12RS (8′ Housing)	24 38	26.70 52.50	22.25 43.75	
TWR4-40 TWR4-42	4 F40T12RS 8 F40T12RS (8′ Housing)	34 66	43.13 84.60	35.94 70.50	

TWR2-96 TWR4-96	2 F96T12 4 F96T12	48 66	48.60 77.33	40.50 64.44	

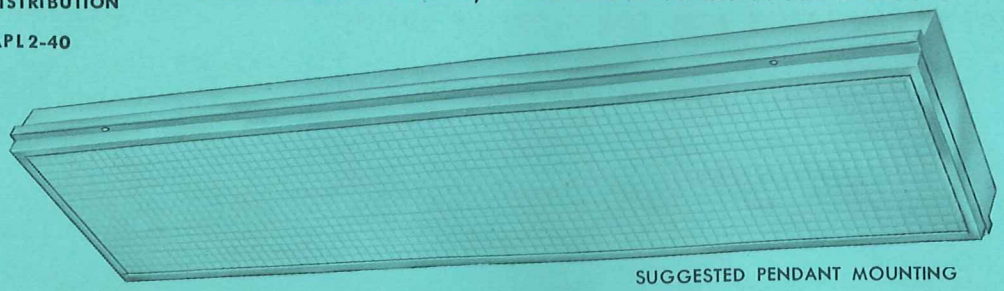
Provides good light diffusion and high light transmission. Ribbed pattern eight ribs to the inch.

Packed one complete unit to a carton with all fittings for normal continuous row mounting.

Available with Corning Pattern #70 glass on special order and price.

LIGHT DISTRIBUTION
60↑ / 40↓ SAPL2-40

FOR SLIMLINE LAMPS; FOR RAPID-START BI-PIN LAMPS

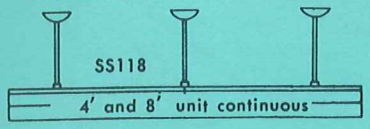


SELECTRA WITH PLASTIC LOUVER

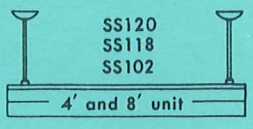
A very shallow, versatile, good-looking steel-sided unit available with many different types of shielding for schools, offices, stores and all types of installations. Ideally suited because of its shallowness for use in today's low-ceilinged schoolrooms, offices, and stores. The metal sides of the unit are illuminated by light from the fixture itself, reducing contrast and presenting a soft, pleasing appearance. The sides of the unit are tapered. Selectra may be purchased with an open top for uplighting or with a top reflector for 100% downlighting. Shielding is held in a rigid door frame which hinges from either side.

Selectra may be mounted individually or in continuous rows, surface or pendant. The housing cover may be removed by simple quarter turn thumb screws, so that ballasts and electrical components are easily serviced.

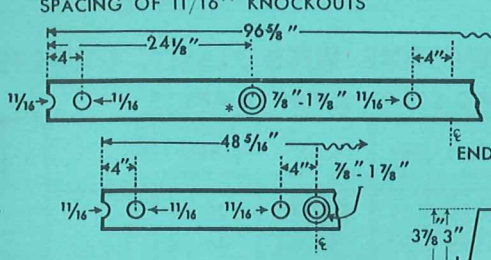
SUGGESTED PENDANT MOUNTING

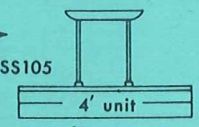


FOR STEM SET PRICES SEE PAGE 28

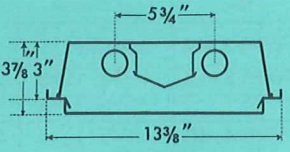


SPACING OF 11/16" KNOCKOUTS





END SECTION DIMENSIONS



WITH TOP REFLECTORS FOR ALL DOWNLIGHTING
(Recommended for Surface Mounting)

WITH OPEN TOP FOR UPLIGHTING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price		Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price	
ALBALITE #93				**FOR RAPID-START BI-PIN LAMPS**							**ALBALITE #93**
SAA2-40TR	2 F40T12RS	31	$29.10	$24.25		SAA2-40	2 F40T12RS	28	$28.35	$23.63	
SAA2-42TR	4 F40T12RS*	60	56.70	47.25		SAA2-42	4 F40T12RS*	54	55.20	46.00	
				FOR SLIMLINE LAMPS							
SAA2-96TR	2 F96T12	60	$52.28	$43.56		SAA2-96	2 F96T12	54	$50.78	$42.31	
CUBEX LOUVERS PROVIDING 45° x 45° SHIELDING				**FOR RAPID-START BI-PIN LAMPS**							**CUBEX LOUVERS PROVIDING 45° x 45° SHIELDING**
SACL2-40TR	2 F40T12RS	27	$33.90	$28.25		SACL2-40	2 F40T12RS	24	$33.15	$27.63	
SACL2-42TR	4 F40T12RS*	53	66.30	55.25		SACL2-42	4 F40T12RS*	47	64.80	54.00	
				FOR SLIMLINE LAMPS							
SACL2-96TR	2 F96T12	53	$61.88	$51.56		SACL2-96	2 F96T12	47	$60.38	$50.31	
HOLOPHANE PRISMALUME® CONTROLENS #6010				**FOR RAPID-START BI-PIN LAMPS**							**HOLOPHANE PRISMALUME® CONTROLENS #6010**
SAHL2-40TR	2 F40T12RS	29	$42.38	$35.31		SAHL2-40	2 F40T12RS	26	$41.63	$34.69	
SAHL2-42TR	4 F40T12RS*	57	83.25	69.38		SAHL2-42	4 F40T12RS*	51	81.75	68.13	
				FOR SLIMLINE LAMPS							
SAHL2-96TR	2 F96T12	57	$78.90	$65.75		SAHL2-96	2 F96T12	51	$77.40	$64.50	

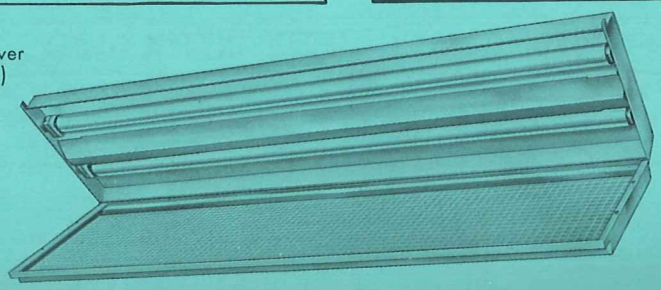
® The Holophane Company Inc.

***All 2-42 units have 8' housings.**

Packed one unit to a carton.

Available with new distinctive Acrylic louver (see opposite page)

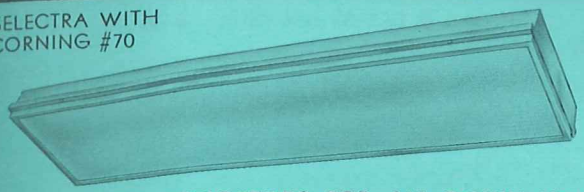
Tapered sides of the unit are illuminated from the fixture itself, reducing contrast.



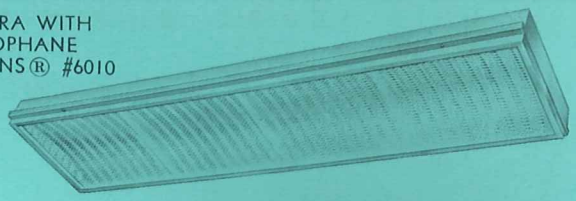
Shielding is held in a rigid door frame.

Shielding frame hinges from either side.

SELECTRA WITH CORNING #70



SELECTRA WITH HOLOPHANE CONTROLENS® #6010



WITH TOP REFLECTORS FOR ALL DOWNLIGHTING
(Recommended for Surface Mounting)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price	
POLYSTYRENE PLASTIC DISH				**FOR RAPID-START BI-PIN LAMPS**	
SAPD2-40TR	2 F40T12RS*	28	$29.85	$24.88	
SAPD2-42TR	4 F40T12RS*	55	58.20	48.50	
FOR SLIMLINE LAMPS					
SAPD2-96TR	2 F96T12	55	$53.78	$44.81	
RIBBED SKYTEX GLASS				**FOR RAPID-START BI-PIN LAMPS**	
SAR2-40TR	2 F40T12RS*	31	$27.38	$22.81	
SAR2-42TR	4 F40T12RS*	60	53.25	44.38	
FOR SLIMLINE LAMPS					
SAR2-96TR	2 F96T12	60	$48.75	$40.63	
CORNING PATTERN #70 GLASS				**FOR RAPID-START BI-PIN LAMPS**	
SAS2-40TR	2 F40T12RS*	31	$33.53	$27.94	
SAS2-42TR	4 F40T12RS*	60	65.55	54.63	
FOR SLIMLINE LAMPS					
SAS2-96TR	2 F96T12	60	$61.13	$50.94	
STYROTEX PLASTIC				**FOR RAPID-START BI-PIN LAMPS**	
SAX2-40TR	2 F40T12RS*	27	$27.38	$22.81	
SAX2-42TR	4 F40T12RS*	53	53.25	44.38	
FOR SLIMLINE LAMPS					
SAX2-96TR	2 F96T12	53	$48.75	$40.63	
ACRYLIC FLAT REFRACTOR				**FOR RAPID-START BI-PIN LAMPS**	
SAP2-40TR	2 F40T12RS*	28	$32.78	$27.31	
SAP2-42TR	4 F40T12RS*	55	64.05	53.38	
FOR SLIMLINE LAMPS					
SAP2-96TR	2 F96T12	55	$59.63	$49.69	
ACRYLIC LOUVER				**FOR RAPID-START BI-PIN LAMPS**	
SAAL2-40TR	2 F40T12RS*	27	$32.25	$26.88	
SAAL2-42TR	4 F40T12RS*	53	63.00	52.50	
FOR SLIMLINE LAMPS					
SAAL2-96TR	2 F96T12	53	$58.58	$48.81	
PLASTIC LOUVERS				**FOR RAPID-START BI-PIN LAMPS**	
SAPL2-40TR	2 F40T12RS*	27	$28.88	$24.06	
SAPL2-42TR	4 F40T12RS*	53	56.25	46.88	
FOR SLIMLINE LAMPS					
SAPL2-96TR	2 F96T12	53	$52.13	$43.44	
ACRYLIC DISH				**FOR RAPID-START BI-PIN LAMPS**	
SAAD2-40TR	2 F40T12RS*	30	$35.63	$29.69	
SAAD2-42TR	4 F40T12RS*	59	69.75	58.13	
FOR SLIMLINE LAMPS					
SAAD2-96TR	2 F96T12	59	$65.33	$54.44	

WITH OPEN TOP FOR UPLIGHTING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price	
POLYSTYRENE PLASTIC DISH					
SAPD2-40	2 F40T12RS*	25	$29.10	$24.25	
SAPD2-42	4 F40T12RS*	49	56.70	47.25	
SAPD2-96	2 F96T12	49	$52.28	$43.56	
RIBBED SKYTEX GLASS					
SAR2-40	2 F40T12RS*	28	$26.63	$22.19	
SAR2-42	4 F40T12RS*	54	51.75	43.13	
SAR2-96	2 F96T12	54	$47.25	$39.38	
CORNING PATTERN #70 GLASS					
SAS2-40	2 F40T12RS*	28	$32.78	$27.31	
SAS2-42	4 F40T12RS*	54	64.05	53.38	
SAS2-96	2 F96T12	54	$59.63	$49.69	
STYROTEX PLASTIC					
SAX2-40	2 F40T12RS*	24	$26.63	$22.19	
SAX2-42	4 F40T12RS*	47	51.75	43.13	
SAX2-96	2 F96T12	47	$47.25	$39.38	
ACRYLIC FLAT REFRACTORS					
SAP2-40	2 F40T12RS*	25	$32.03	$26.69	
SAP2-42	4 F40T12RS*	49	62.55	52.13	
SAP2-96	2 F96T12	49	$58.13	$48.44	
ACRYLIC LOUVER					
SAAL2-40	2 F40T12RS*	24	$31.50	$26.25	
SAAL2-42	4 F40T12RS*	47	61.50	51.25	
SAAL2-96	2 F96T12	47	$57.08	$47.56	
PLASTIC LOUVERS					
SAPL2-40	2 F40T12RS*	24	$28.13	$23.44	
SAPL2-42	4 F40T12RS*	47	54.75	45.63	
SAPL2-96	2 F96T12	47	$50.63	$42.19	
ACRYLIC DISH					
SAAD2-40	2 F40T12RS*	27	$34.88	$29.06	
SAAD2-42	4 F40T12RS*	53	68.25	56.88	
SAAD2-96	2 F96T12	53	$63.83	$53.19	

® The Holophane Company Inc.

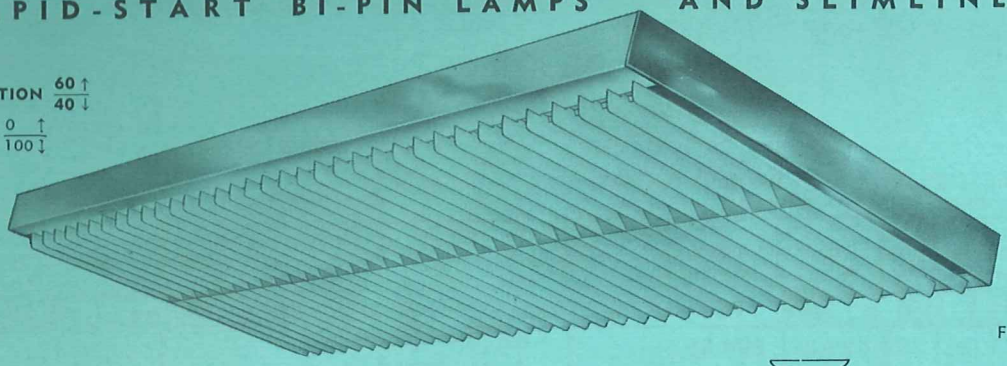
*All 2-42 units have 8′ housings.

Packed one unit to a carton.

FOR RAPID-START BI-PIN LAMPS AND SLIMLINE LAMPS

LIGHT DISTRIBUTION $\frac{60\uparrow}{40\downarrow}$

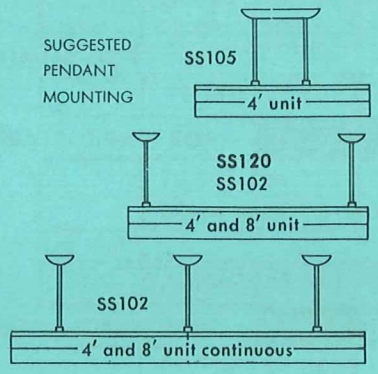
WITH CLOSED TOP $\frac{0\uparrow}{100\downarrow}$



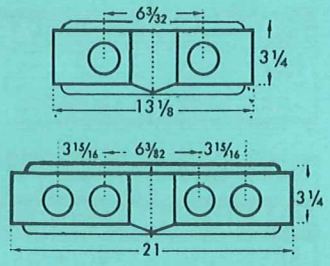
FOR STEM SET PRICES SEE PAGE 28

A very shallow (only 3¼" deep) louvered unit with translucent plastic sides. The Sheraton provides excellent illumination where low ceilings prevail and is ideally suited for many of today's 9-foot schoolrooms and offices. The unit is smoothly styled, modern and distinctive in its neat trim appearance. Lighting characteristics are very pleasing with a softly glowing diffused light outwards through the translucent plastic side panels and a high transmittance of well-shielded downlighting through the louvers. Sheraton may be mounted individually or in continuous rows, surface or pendant. Louver is quickly and easily released by gentle fingertip pressure and replaced by simply placing back in position. It is suspended by chain at a convenient level for re-lamping. Louvers provide a shielding of 30° crosswise and 45° lengthwise. Side panels are easily removed for cleaning. Ballasts and electrical components are easily exposed for servicing simply by releasing and lowering louver.

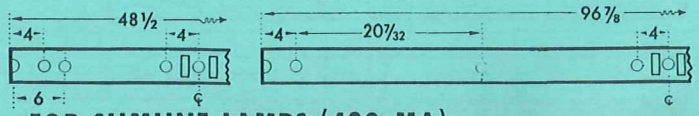
SUGGESTED PENDANT MOUNTING



END SECTION DIMENSIONS



SPACING OF 1 1/16 KNOCKOUTS



FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SN2-40	2 F40T12RS	24	$26.63	$22.19	
SN2-42	4 F40T12RS (8′ housing)	43	53.25	44.38	
SN4-40	4 F40T12RS	33	44.33	36.94	
SN4-42	8 F40T12RS (8′ housing)	64	88.50	73.75	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SN2-96	2 F96T12	41	$48.23	$40.19	
SN4-96	4 F96T12	67	74.55	62.13	

WITH TOP REFLECTORS FOR ALL DOWNLIGHTING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SN2-40TR	2 F40T12RS	25	$29.40	$24.50	
SN2-42TR	4 F40T12RS (8′ housing)	48	58.65	48.88	
SN4-40TR	4 F40T12RS	38	48.15	40.13	
SN4-42TR	8 F40T12RS (8′ housing)	73	96.00	80.00	

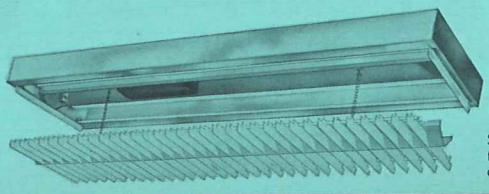
Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SN2-96TR	2 F96T12	46	$53.63	$44.69	
SN4-96TR	4 F96T12	76	82.05	68.39	

Packed One Complete Unit to a Carton With All Fittings For Normal Continuous Row Mounting

Steel louvers provide shielding of 30° crosswise, 45° lengthwise.

Louvers are quickly released by gentle fingertip pressure. Chain suspended at convenient level for re-lamping. Ballast and electrical components easily accessible for servicing.

Longitudinal rails provide strength and rigidity of louver assembly.



Softly glowing, diffused light outwards through translucent plastic panels . . . high transmittance of well-shielded down-lighting through the louvers.

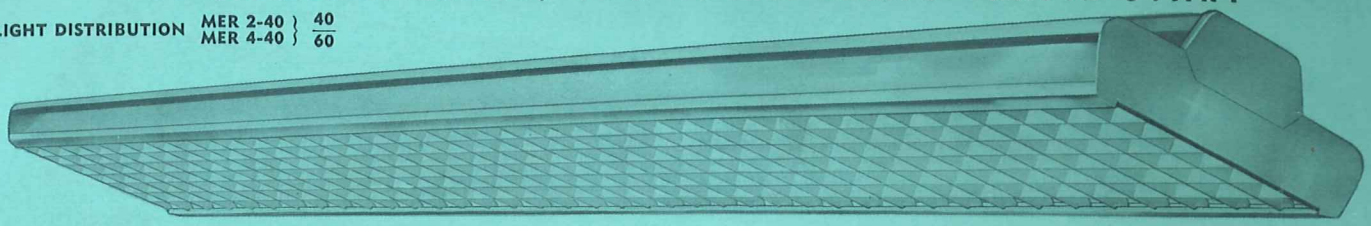
Smoothly styled . . . clean, trim and modern in appearance.

Extremely shallow (only 3¼ in depth) . . . ideal for surface mounting in low-ceilinged schoolrooms or offices.

SEE PAGE 5 FOR IMPORTANT ORDERING INFORMATION

FOR SLIMLINE LAMPS; FOR BI-PIN LAMPS—RAPID-START

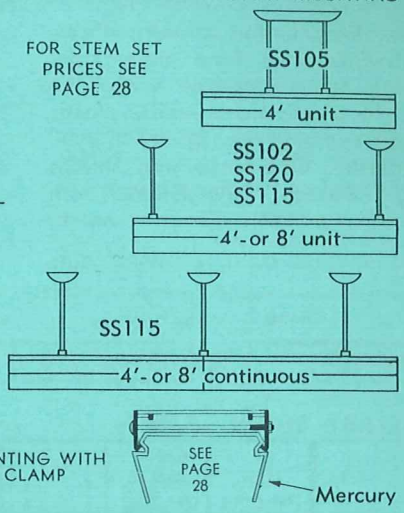
LIGHT DISTRIBUTION MER 2-40 } 40 / MER 4-40 } 60



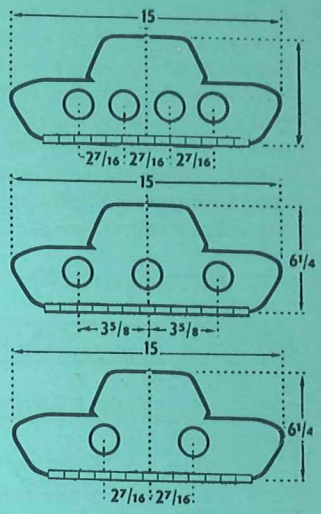
All-steel louvered unit, extremely popular for offices, stores, schools etc. For surface or pendant mounting, individually or in continuous rows. The unit is finished in Supercoat Baked Enamel and has been designed so that a pleasing light spill illuminates the sides. Rigid egg-crate louver permanently welded at each intersection provides a shielding of 35° crosswise, 25° lengthwise. Louvers hinge from either side and are removed by simply lifting off. Side reflectors rotate upwards for easy cleaning and relamping. Mercury has the Adaptable Socket-Holder Bridge.

SUGGESTED PENDANT MOUNTING

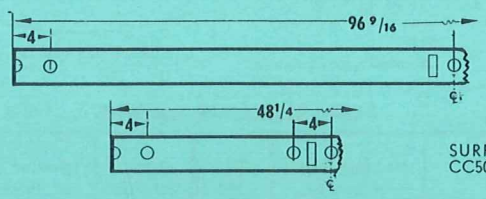
FOR STEM SET PRICES SEE PAGE 28



END SECTION DIMENSIONS



SPACING OF 11/16 KNOCKOUTS



SURFACE MOUNTING WITH CC504 CEILING CLAMP

SEE PAGE 28

Mercury

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
MER2-40	2 F40T12RS	29	$29.48	$24.56	
MER2-42	4 F40T12RS (8' housing)	57	58.95	49.13	
MER3-40	3 F40T12RS	37	40.13	33.44	
MER3-42	6 F40T12RS (8' housing)	67	74.10	61.75	
MER4-40	4 F40T12RS	33	41.63	34.69	
MER4-42	8 F40T12RS (8' housing)	66	83.25	69.38	

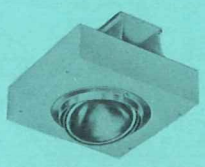
FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
MER2-96	2 F96T12	56	$54.08	$45.06	
MER3-96	3 F96T12	68	79.13	65.94	
MER4-96	4 F96T12	65	79.80	66.50	

Packed one complete unit to a carton. For continuous row mounting, specify number and length of rows; necessary end caps and connectors will be supplied no charge.

MERCURY SPOT BOX

(Cat. No. SB-12 — 11 5/16" square x 6" deep). Use at intermediate points in continuous-row installations only.



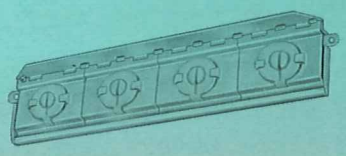
Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SB-12	PAR-46 Spot Lamp	12	$20.40	17.00	

TOP REFLECTORS

Additional downlighting may be obtained through use of the top reflectors listed below.

Catalog No.	For Use With	User Net Price	Contr-Dealer Net Price	
M-48	48" Mercury Units (Single reflector per fixture)	$1.58	$1.31	
M-96	96" Mercury Units (Single reflector per fixture)	3.15	2.63	
M-482	8' Mercury Bi-Pin Units (Two 48" reflectors per fixture)	3.15	2.63	

MERCURY has the adaptable SOCKET HOLDER BRIDGE.



Replace any lampholder or change spacing or number of lamps in the field without rewiring by removing only one screw.

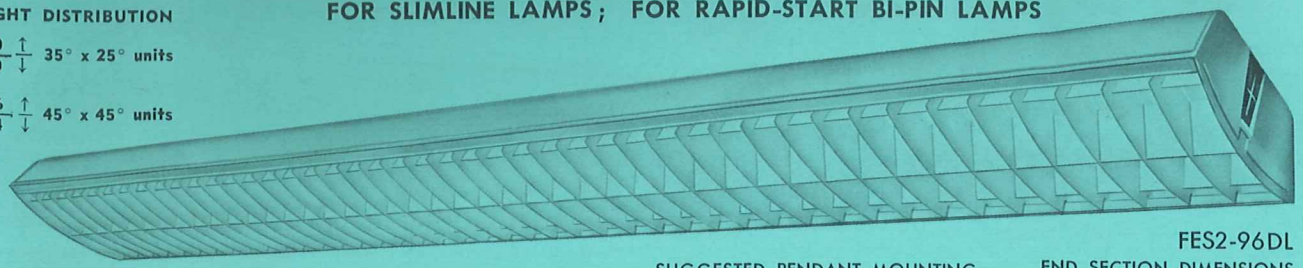
Smithcraft NEW FEDERAL

LIGHT DISTRIBUTION

50/50 ↑↓ 35° x 25° units

56/44 ↑↓ 45° x 45° units

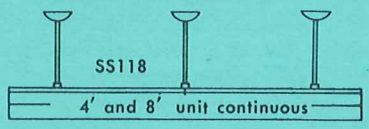
FOR SLIMLINE LAMPS; FOR RAPID-START BI-PIN LAMPS



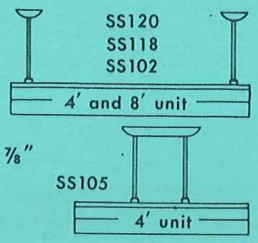
FES2-96DL

A low-cost top-value, top-quality unit for schools, offices, stores, etc. Rigid louvers swing open from either side. Because of a safety locking feature, louver cannot be inadvertently knocked off. In plastic-sided units, plastic sides with internal steel liners combine the rigidity of steel with the translucence of plastic. One-piece side shields rotate upwards. Finished in Baked White Enamel with contrasting medallions at ends. Available also in a matching 4-light unit. (see below)

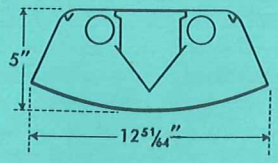
SUGGESTED PENDANT MOUNTING

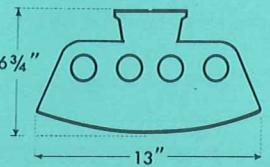


FOR STEM SET PRICES SEE PAGE 28

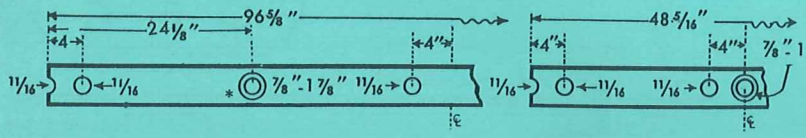


END SECTION DIMENSIONS





SPACING OF 11/16" KNOCKOUTS



FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price	
35° x 25° SHIELDING — STEEL SIDES					
FES2-40	2 F40T12RS	23	**$20.63**	**$17.19**	
FES2-42	4 F40T12RS*	44	**38.63**	**32.19**	
35° x 25° SHIELDING — PLASTIC SIDES					
FEP2-40	2 F40T12RS	21	**21.38**	**17.81**	
FEP2-42	4 F40T12RS*	40	**40.50**	**33.75**	
35° x 45° SHIELDING — STEEL SIDES					
FES2-40X	2 F40T12RS	26	**21.38**	**17.81**	
FES2-42X	4 F40T12RS*	50	**40.13**	**33.44**	
35° x 45° SHIELDING — PLASTIC SIDES					
FEP2-40X	2 F40T12RS	24	**22.13**	**18.44**	
FEP2-42X	4 F40T12RS*	46	**42.00**	**35.00**	
45° x 45° SHIELDING — STEEL SIDES					
FES2-40DL	2 F40T12RS	27	**22.50**	**18.75**	
FES2-42DL	4 F40T12RS*	52	**42.00**	**35.00**	
45° x 45° SHIELDING — PLASTIC SIDES					
FEP2-40DL	2 F40T12RS	25	**23.25**	**19.38**	
FEP2-42DL	4 F40T12RS*	48	**44.25**	**36.88**	

FOR SLIMLINE LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr. Dealer Net Price	
FES2-96	2 F96T12	40	**$34.88**	**$29.06**	
FEP2-96	2 F96T12	36	**37.50**	**31.25**	
FES2-96X	2 F96T12	46	**36.38**	**30.31**	
FEP2-96X	2 F96T12	42	**39.00**	**32.50**	
FES2-96DL	2 F96T12	48	**38.25**	**31.88**	
FEP2-96DL	2 F96T12	44	**41.25**	**34.38**	

*All 2-42 units have 8' housings.

PACKED ONE 8' UNIT TO A CARTON — TWO 4' UNITS TO A CARTON (except when specified one to a carton)

MATCHING 4-LIGHT FEDERAL UNIT providing 40° x 45° shielding.

For Rapid-Start Bi-Pin Lamps

40° x 45° SHIELDING — STEEL SIDES

FES4-40	4 F40T12RS	37	$40.88	$34.06	

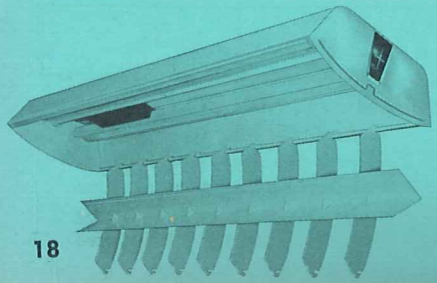
40° x 45° SHIELDING — PLASTIC SIDES

FEP4-40	4 F40T12RS	33	$42.30	$35.25	

LIGHT DISTRIBUTION

↑40
↓60





V-section of baffle conceals all wiring and electrical components.

Baffle swings open easily from either side . . . easily removed without tools. Baffle is safety-held . . . cannot be removed inadvertently.

Plastic or steel side shields are rigidly held at ends yet are easily removable for cleaning.

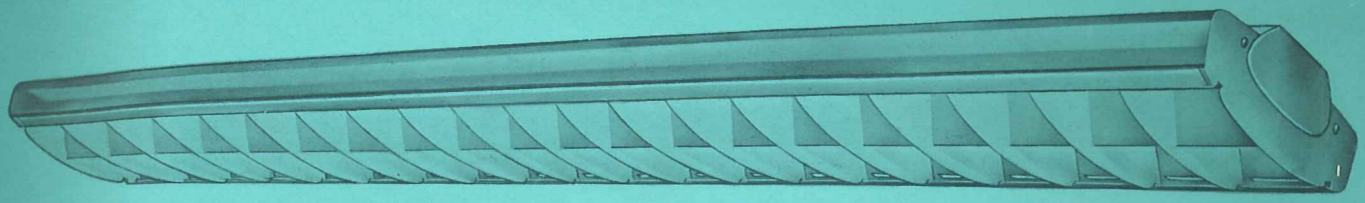
Fixture ends bolt together in continuous rows. Knockouts are provided for continuous wiring.

TOP REFLECTORS

Catalog No.	User Net Price	Contr. Dealer Net Price	
NF-482 2-light 4-ft units	$3.00	$2.50	
NF-962 2-light 8-ft. units	5.85	4.88	
NF-484 4-light 4-ft. units	3.38	2.81	
NF-964 4-light 8-ft. units	6.53	5.44	

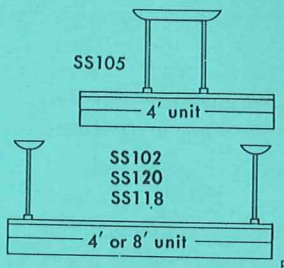
FOR SLIMLINE LAMPS; FOR BI-PIN LAMPS— RAPID-START

LIGHT DISTRIBUTION 53↑ / 47↓

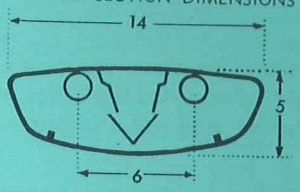


This 2-light all-steel louvered fixture sets the standard for comfortable low brightness in school and classroom lighting and in stores and offices. Eye-Q can be mounted individually or in continuous rows, surface or pendant. Eye-Q is finished in Supercoat Baked Enamel; the louver is in a special Smithcraft low-bright finish. Rigid louver supplied in same length as unit, provides shielding of 35° crosswise; 25° lengthwise. If desired, Eye-Q can be supplied with shielding of 35° crosswise; 45° lengthwise. Louver hinges from either side and can be removed by lifting off. Side reflectors which are self-illuminated by the lamps rotate upwards for easy cleaning.

SUGGESTED PENDANT MOUNTING



END SECTION DIMENSIONS

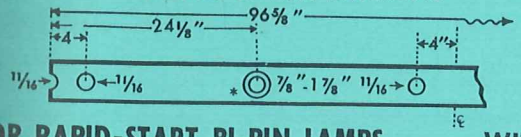


FOR STEM SET SEE PRICES PAGE 28

SURFACE MOUNTING WITH CC504 CEILING CLAMP



SPACING OF 11/16 KNOCKOUTS



K. O.'S EFFECTIVE AFTER APRIL 1, 1960

FOR RAPID-START BI-PIN LAMPS WITH 35° x 25° SHIELDING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
IQ2-40	2 F40T12RS	26	$24.08	$20.06	
IQ2-42	4 F40T12RS (8′ housing)	51	48.08	40.06	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
IQ2-96	2 F96T12	48	$45.75	$38.13	

WITH 35° x 45° SHIELDING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
IQ2-40DL	2 F40T12RS	27	26.03	21.68	
IQ2-42DL	4 F40T12RS (8′ housing)	52	52.05	43.38	

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
IQ2-96DL	2 F96T12	49	49.73	41.44	

Packed one complete unit to a carton. For continuous row mounting, specify number and length of rows; necessary end caps and connectors will be supplied no charge.

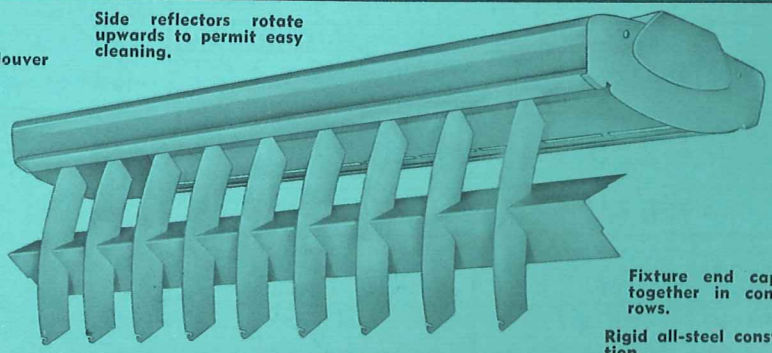
Special low-bright louver finish reduces glare.

Side reflectors rotate upwards to permit easy cleaning.

Illuminated steel sides.

Louver shielding 35° crosswise and 25° lengthwise. Shielding of 35° crosswise and 45° lengthwise is also available.

Strong and rigid shielding assembly hinges from either side — can be completely removed by lifting off.



Fixture end caps bolt together in continuous rows.

Rigid all-steel construction.

® Registered U. S. Patent Office

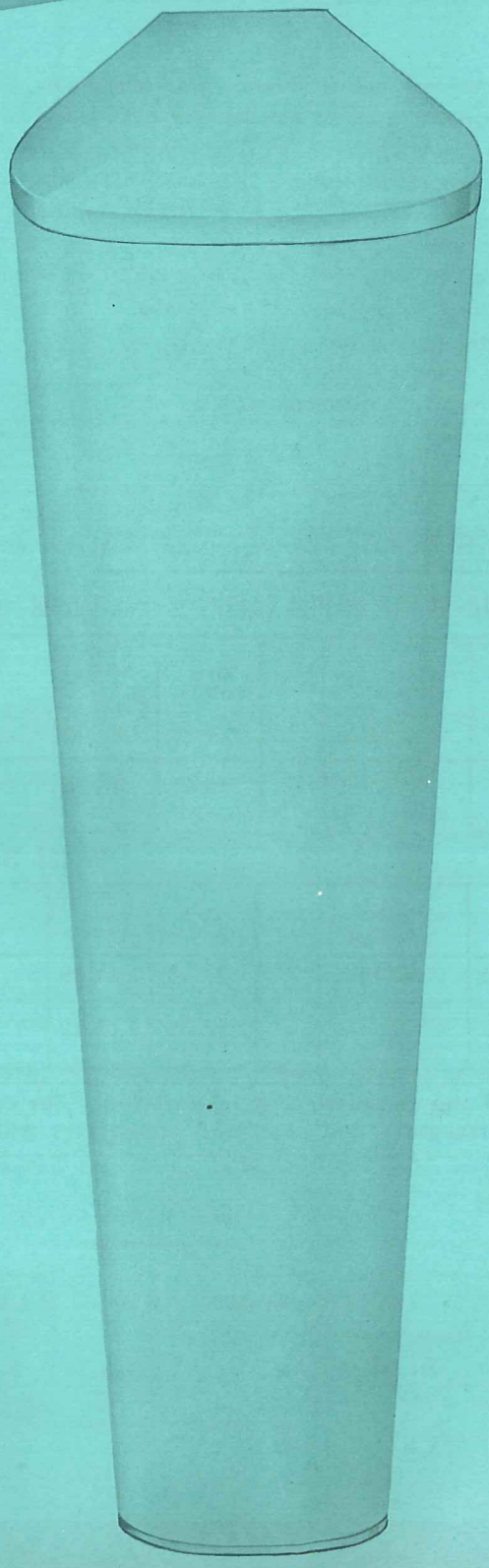
SEE PAGE 5 FOR IMPORTANT ORDERING INFORMATION.

FOR RAPID-START BI-PIN LAMPS

LIGHT DISTRIBUTION $\frac{20\uparrow}{80\downarrow}$



FREI-40

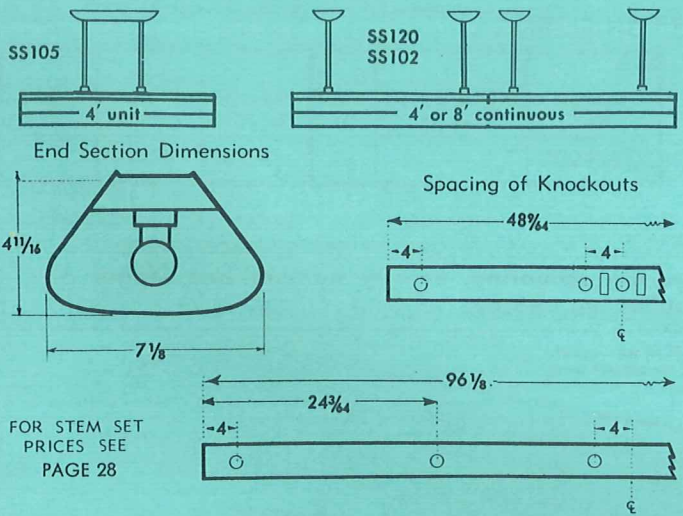


A clean, modern, plastic-enclosed luminaire for corridor-lighting in office buildings, schools, and other institutions, airports, and rail and bus terminals.

Simple and modern, the Freeway by Smithcraft is architecturally very pleasing lighting for corridors or for long narrow areas. Dark corridors and passageways are transformed into pleasantly lighted, comfortable areas with good lighting on walls, ceilings, and floors.

Shielding is provided by 4-foot sections of extruded polystyrene supported in the center of 8′ units by a white unobtrusive band. This polystyrene shielding has high impact strength, break resistance and light stability after prolonged use. It simply snaps in and out of place. Because the Freeway is completely enclosed, maintenance is reduced to a minimum.

Installation, individually or in continuous rows, is very simple. Lanced tabs in the end of each housing are provided for continuous wiring. Although the Freeway is generally surface-mounted, the unit may be pendant-mounted with the SS102 or SS105 Stem Sets.



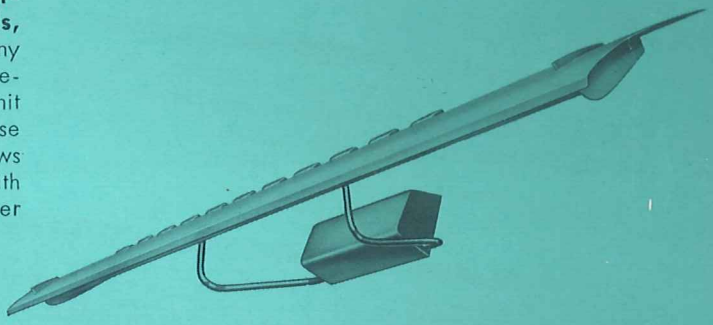
FOR STEM SET PRICES SEE PAGE 28

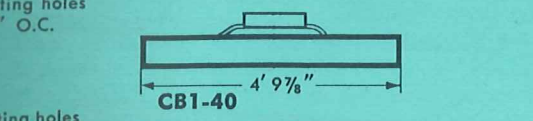
FOR RAPID-START BI-PIN LAMPS

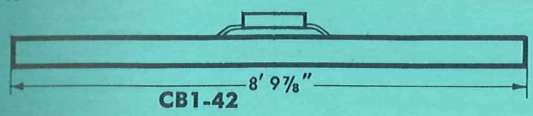
Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
FRE1-40	1 F40T12/RS	14	$20.48	$17.06	
FRE1-42	2 F40T12/RS (8′ housing)	24	28.28	23.56	

CB — Smithcraft CHALKBOARDER — CB

Smartly and modernly styled the Smithcraft CHALKBOARDER provides excellent vertical illumination over the entire surface of a chalkboard. Excellent also for bulletin boards, exhibits, art galleries, etc. Reflector may be rotated to any position for proper shielding. Apertures in the top of the reflector permit a soft uplighting reducing contrast between unit and lighted chalkboard. Quickly installed in any location because of maximum adjustability. May be mounted in continuous rows through use of reflector couplings. Reflector is aluminum with inside surface finished in White Supercoat Baked Enamel; outer surface in Smithcraft Neutra-tone.







FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
CB1-40	1 F40T12RS	19	$33.30	$27.75	
CB1-42	2 F40T12RS (8' Housing)	27	43.35	36.13	

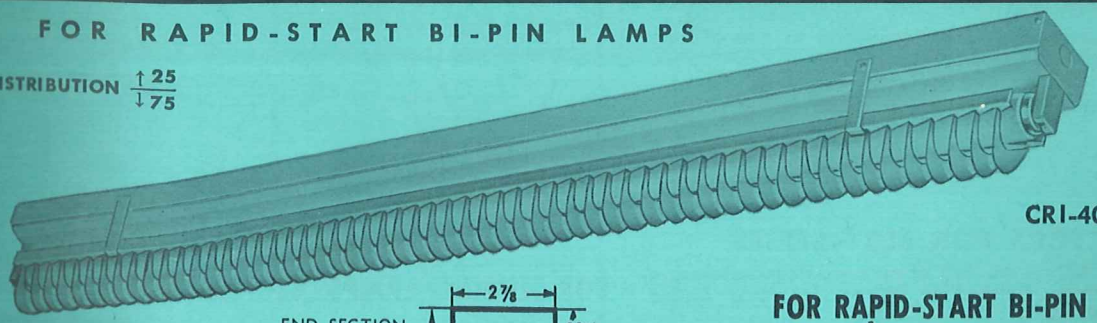
Packed One Complete Unit to a Carton

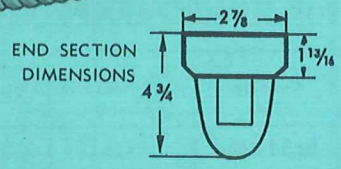


CR — Smithcraft CORRIDOR-LITER — CR

FOR RAPID-START BI-PIN LAMPS

LIGHT DISTRIBUTION ↑25 ↓75





FOR KNOCKOUTS AND OVERALL DIMENSIONS, SEE PAGE 23 .

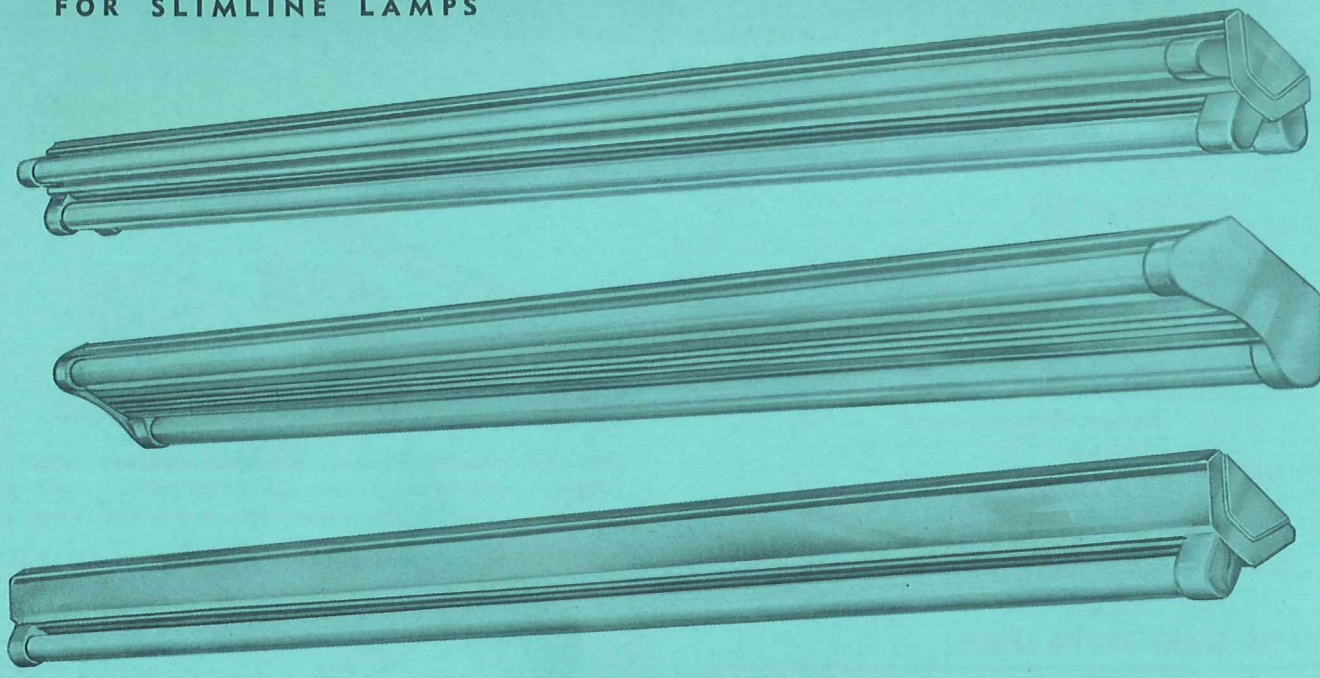
Provides 45° longitudinal shielding — ideal for corridor lighting in airports, rail and bus terminals, office buildings, schools, hospitals, libraries, (stack lighting) and other institutions.

Louvers snap into clips attached to housing. May be released so one side hangs down for re-lamping. Easily installed and easily removed for cleaning. Lighting unit is top quality Smithcraft Fluorescent Strip Lighting, with Aluminum Shield finished in white Supercoat baked enamel. Ballasts are high-power factor rapid-start E.T.L. certified.

FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL MOUNTING — or for start of a Continuous Row — Includes End Caps					
CR1-40	1 F40T12/RS	9	$17.25	$14.38	
CR1-42	2 F40T12/RS (8' Housing)	14	25.13	20.94	
CONTINUOUS MOUNTING — Includes connectors and end caps to start and finish off rows as required.					
CCR1-40	1 F40T12/RS	9	$17.25	$14.38	
CCR1-42	2 F40T12/RS (8' housing)	14	25.13	20.94	

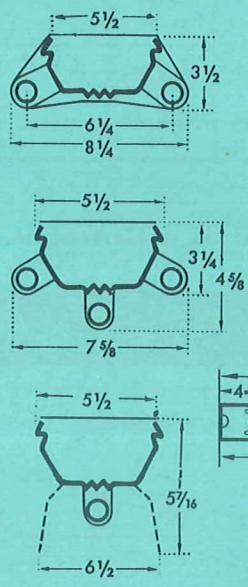
FOR SLIMLINE LAMPS



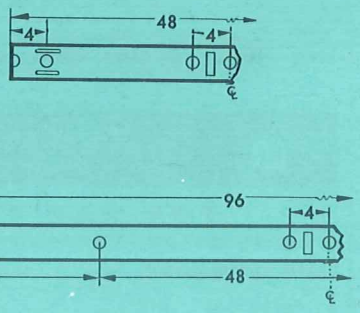
Open-type Slimline fixtures, ideal for store applications — available for one, two, or three T-12 lamps. Linear is engineered for maximum efficiency and outstanding appearance. Decorative ridges along the entire length of the housing eliminate dark spots or shadows. Shallow in design, the fixtures may be mounted either surface or pendant, individually or in continuous rows. Maintenance and installation are effectively simplified. Smithcraft LINEAR units are rugged, heavy duty units constructed for years of trouble-free service.

For further economy, in continuous-row installations, the SLS1-192 is available. These units incorporate two regular 96" fixtures, with a two-lamp CBM-certified ballast contained in one of the fixtures, and the other fixture wired with leads brought out for connections to the ballast during installation.

END SECTION DIMENSIONS



SPACING OF 11/16 KNOCKOUTS



REFLECTORS FOR SLS1-SERIES

For the LINEAR one-light series, full or asymmetric reflectors are available. The reflectors, finished in White Supercoat Baked Enamel, are easily installed.

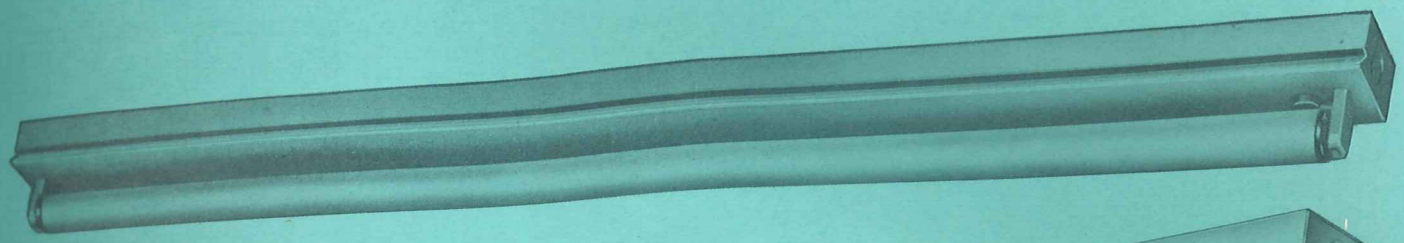
Catalog No.	For Use With	User Net Price	Contr-Dealer Net Price	
R1-96-SLS Full reflector	96" one-light Linear	**$6.23**	**$5.19**	
R1-48-SLS Full reflector	48" one-light Linear	**3.30**	**2.75**	
A1-96-SLS Asymmetric reflector	96" one-light Linear	**6.23**	**5.19**	
A1-48-SLS Asymmetric reflector	48" one-light Linear	**3.30**	**2.75**	
CC502 — CEILING CLAMP For simplified surface mounting — 2 per fixture — cost EACH		User Net Price **.90**	Contr-Dealer Net Price **.75**	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
SLS1-96	1 F96T12	31	**$25.35**	**$21.13**	
SLS1-192	2 F96T12 (Two 8' units)	49	**39.38**	**32.81**	
SLS1-48	1 F48T12	20	**22.43**	**18.69**	
SLS2-96	2 F96T12	30	**28.43**	**23.69**	
SLS2-48	2 F48T12	17	**22.13**	**18.44**	
SLS3-96	3 F96T12	37	**49.13**	**40.94**	
SLS3-48	3 F48T12	27	**38.25**	**31.88**	

Packed two complete units to a carton, including fittings for normal continuous row mounting.

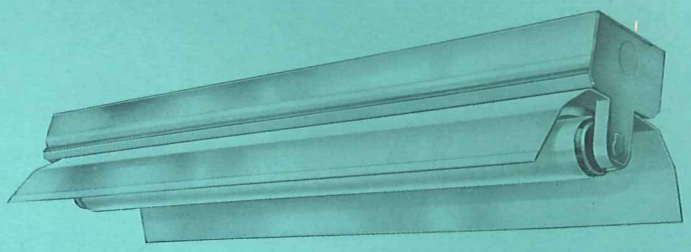
FOR RAPID-START AND TRIGGER-START BI-PIN LAMPS

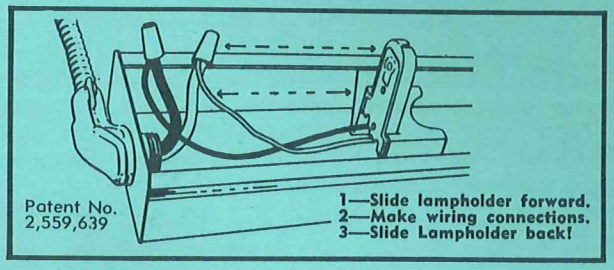


SMITHCRAFT FLUORESCENT STRIP LIGHTING

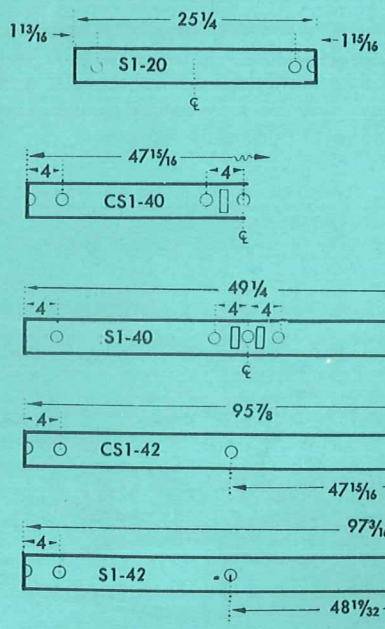
Outstanding in appearance, ease of assembly and installation, and operating efficiency. An exclusive development, the Slide-Away Lampholder (patented), simplifies the usually difficult task of making the wiring connections with BX cable for continuous runs. The housing cover assures proper spacing of the lampholders and conceals all wiring within the channel. There are sufficient knockouts for various types of mounting and continuous installations, as well as a convenience outlet or Levolier pull-switch. Another feature, the "back-to-back" spacing of the lampholders, eliminates dark spots in continuous runs.

Whether used singly or in rows, with or without reflectors, Smithcraft Fluorescent Strip Lighting is ideal for stores, markets, factories, and similar locations.

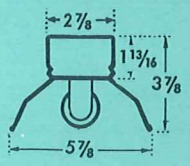




SPACING OF 11/16 KNOCKOUTS



END SECTION DIMENSIONS



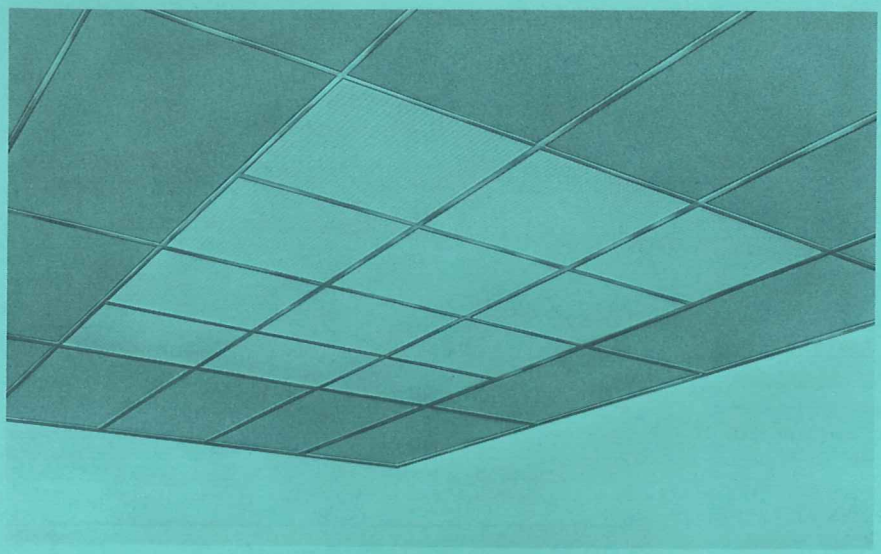
FOR RAPID-START AND TRIGGER-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL MOUNTING—or for start of a continuous row—Includes end caps					
S1-20L	1 F20T12	4	$ 6.75	$ 5.63	
S1-40L	1 F40T12	8	8.55	7.13	
S1-40H	1 F40T12	9	12.38	10.31	
EIGHT-FOOT INDIVIDUAL MOUNTING — or for start of a continuous row — Includes end caps					
S1-42H (8' Housing)	2 F40T12	14	16.43	13.69	
CONTINUOUS MOUNTING — Includes connectors and end caps for start and finish of rows as required.					
CS1-40H	1 F40T12	9	12.38	10.31	
CS1-42H (8' Housing)	2 F40T12	14	16.43	13.69	
Catalog No.	**For Use With**	**Ship. Wt.**	**User Net Price**	**Contr-Dealer Net Price**	
FULL REFLECTOR					
R1-20	20-watt strip	2	$1.80	$ 1.50	
R1-40	40-watt strip	4	2.70	2.25	
ASYMMETRIC REFLECTOR					
A1-20	20-watt strip	2	1.80	1.50	
A1-40	40-watt strip	3	2.70	2.25	

Packed four units to a carton.

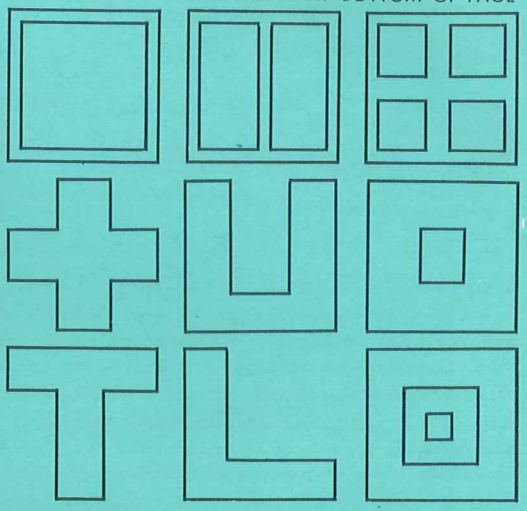
ORDERING INFORMATION: For the start of a run, use a single 20 or 40-watt strip or an 8-foot section of the start-of-the-run **(S series).** To complete a run of units, use the required number of fill-in or ending units of the **CS series.** If reflectors are required, see separate reflector schedule and order as needed.

Ballast Information: S1-20L/TS is furnished with Trigger-Start normal power factor ballast. S1-40L/RS is furnished with Rapid-Start normal power factor ballast. S1-40H/RS, CS1-40H/RS, S1-42H/RS and CS1-42H/RS, are furnished with high-power factor Rapid-Start CBM-certified ballasts. All ballasts are U.L.-approved and fully guaranteed by Smithcraft.



A PRACTICALLY UNLIMITED FREEDOM OF LAYOUT

SEE NOTE AT BOTTOM OF PAGE*



New Smithcraft Area Illumination makes possible a wide selection of size, pattern, intensity, shielding and periphery. This versatility affords architects and engineers the opportunity for an almost infinite variety of original lighting layouts — all using basic standard equipment.

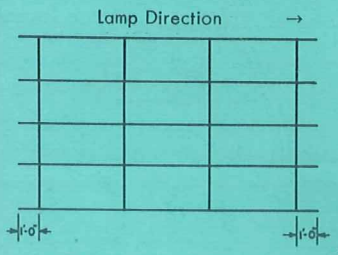
New SAI represents an advance in ease of layout and ordering procedure. For average-sized installations, free from unusual complications, there is no need for formal factory layouts. Elements may be ordered and installed directly from the catalog.

Because of simplified design, ease and economy of installation, substantial savings in this type of installation are effected. The system is extremely flexible and adaptable to future changes and developments. Diffusing media may be completely changed or moved at will, without the need of additional equipment.

New SAI integrates shielding and lighting with the architecture and interior design of the building and actually becomes one lighting fixture when installed, regardless of dimensions. There are fewer supports to the ceiling and no complicated service connections to clutter the plenum and interfere with other services.

Acoustical peripheral treatment and acoustical areas between lighting elements are easily combined with Smithcraft Area Illumination.

Because the system is available with both T-12 Slimline lamps and 800-MA high output lamps, there is always a choice of two intensities for a given area. The system is available with six different catalogued shielding media.



BEAMS ARE FURNISHED TO EXTEND 1' 0" BEYOND ELEMENT IN THE DIRECTION OF THE LAMPS

Elements are joined in direction of lamps with beam splicers automatically spacing elements 2' to receive acoustical tile.
Elements may be joined side by side with lamps parallel to each other with no spacing between elements.
Or they may be joined with a 2' spacing or any multiple of 2' between elements (by use of necessary cross, twist or main tees by other).

SAI PARTS IDENTIFICATION

1. **Ceiling Hanger**
2. **Housing Hanger Assembly (includes rod)**
3. **Housing**
4. **Spacer Tubes**
5. **Grid hanger**
6. **Beam (Eastern #6350)**
7. **Beam Splice (Eastern #6390)**
8. **Cross Tee (Eastern #6562) twist**
9. **Cross Tee (Eastern #6762) hook over**
10. **Diffusing Medium**
11. **Eastern Wall Angle Molding #6172 (by others)**

*These patterns may be created with standard SAI Elements up to 24' in the direction of the lamps (no limitations perpendicular to lamps). For patterns requiring elements larger than 24' in the direction of the lamps, see your Smithcraft representative.

HOW TO ORDER AND PRICE SMITHCRAFT AREA ILLUMINATION (SAI)

1. Catalog numbers shown in the table below are for T-12 Slimline lamps. For Elements for 800-MA Rapid Start Lamps, add "-800" to catalog numbers. Example: 84-800 is an 8′ x 4′ unit for 800-MA lamps.

2. To indicate desired shielding media add suffix letters to catalog number. Examples: Cat. No. 2420-PL is an SAI element 24′ x 20′ with Plastic Louvers. Cat. No. 1620-800H is an SAI element 16′ x 20′ for 800-MA lamps with Holophane Controlens® #6024.

3. Be sure to supply cavity depth with order. It is necessary that we have this information so that we may supply rods of the proper length. Minimum dimension from existing ceiling to bottom of SAI is 21″.

4. SAI Elements larger than those shown in the table below may be ordered and formed by combining SAI elements **in the direction perpendicular to the lamps only.** Example: an element 24′ x 48′ may be formed by combining two 24′ x 24′ elements.

5. For larger areas which may not be formed by combining elements or for unusually-shaped areas or areas with obstructions contact your Smithcraft representative.

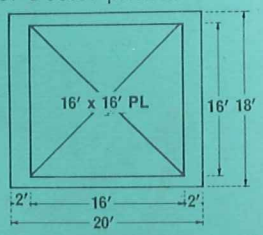
6. ORDERING EXAMPLE For an area 18′ x 20′ where plastic louvers are desired as a shielding media and where 430-MA Slimline lamps are desired to achieve a required intensity, SAI Element Cat. No. 1616PL may be selected from the table below.

Cat. No. 1616-PL (Based on Contractor-Dealer prices.)

16′ x 16′ = 256 sq. ft.
@ **$1.79** sq. ft. = **$458.24**

256 sq. ft. of plastic louver
@ **$1.19** sq. ft. = **304.64**

Total cost of basic electrical and grid element plus total cost of diffusing media **$762.88**



SAI BASIC ELECTRICAL AND GRID ELEMENT (WITHOUT SHIELDING)
(Elements shown are with Lamps on 24″ Spacing)

Catalog No.	SAI Element Size* (Illuminated Area) The first dimension shown below is always the dimension of the element in the direction of the lamps.	No. of 4′ Lamps	No. of 8′ Lamps	FOR SLIMLINE LAMPS (430-MA) User Net Price	FOR SLIMLINE LAMPS (430-MA) Contr-Dealer Net Price	FOR 800-MA RAPID-START LAMPS User Net Price	FOR 800-MA RAPID-START LAMPS Contr-Dealer Net Price
				UP TO 600 SQUARE FEET (Less Shielding)		UP TO 600 SQUARE FEET (Less Shielding)	
84	8′ x 4′		2	$2.15 per sq. ft.	$1.79 per sq. ft.	$2.63 per sq. ft.	$2.19 per sq. ft.
88	8′ x 8′		4				
812	8′ x 12′		6				
820	8′ x 20′		10				
1212	12′ x 12′	6	6				
168	16′ x 8′		8				
1612	16′ x 12′		12				
1616	16′ x 16′		16				
1620	16′ x 20′		20				
				600 SQUARE FEET AND OVER (Less Shielding)		600 SQUARE FEET AND OVER (Less Shielding)	
2012	20′ x 12′	6	12	2.00 per sq. ft.	1.66 per sq. ft.	2.48 per sq. ft.	2.06 per sq. ft.
2020	20′ x 20′	10	20				
248	24′ x 8′		12				
2412	24′ x 12′		18				
2416	24′ x 16′		24				
2420	24′ x 20′		30				
2424	24′ x 24′		36				

*The grid furnished is always 2′ longer in the direction of the lamps than the first dimension shown above.

SAI DIFFUSING MEDIA
(Add to Cost of Basic Electrical and Grid Elements Above)

CUBEX LOUVERS (-CL)
½″ x ½″ x ½″ Aluminum Louvers providing 45° x 45° shielding

Cat. No. Suffix	User Net Price	Contr-Dealer Net Price	
-CL	$2.25 per sq. ft.	$1.88 per sq. ft.	

PLASTIC LOUVERS (-PL)
providing 45° x 45° shielding

Cat. No. Suffix	User Net Price	Contr-Dealer Net Price	
-PL	$1.43 per sq ft.	$1.19 per sq. ft.	

STEEL LOUVERS (-L)
2″ x 2″ x 2″ cells providing 45° x 45° shielding

Cat. No. Suffix	User Net Price	Contr-Dealer Net Price	
-L	$2.10 per sq. ft.	$1.75 per sq. ft.	

POLYSTYRENE PLASTIC DISH (-PD)

Cat. No. Suffix	User Net Price	Contr-Dealer Net Price	
-PD	$.60 per sq. ft.	$.50 per sq. ft.	

CONTREX TENSION-FRAMED FLAT PANELS (-CTF)
(See Page 29)

Cat. No. Suffix	User Net Price	Contr. Dealer Net Price	
-CTF102 2′x2′ panel	$1.50 per sq. ft.	$1.25 per sq. ft.	

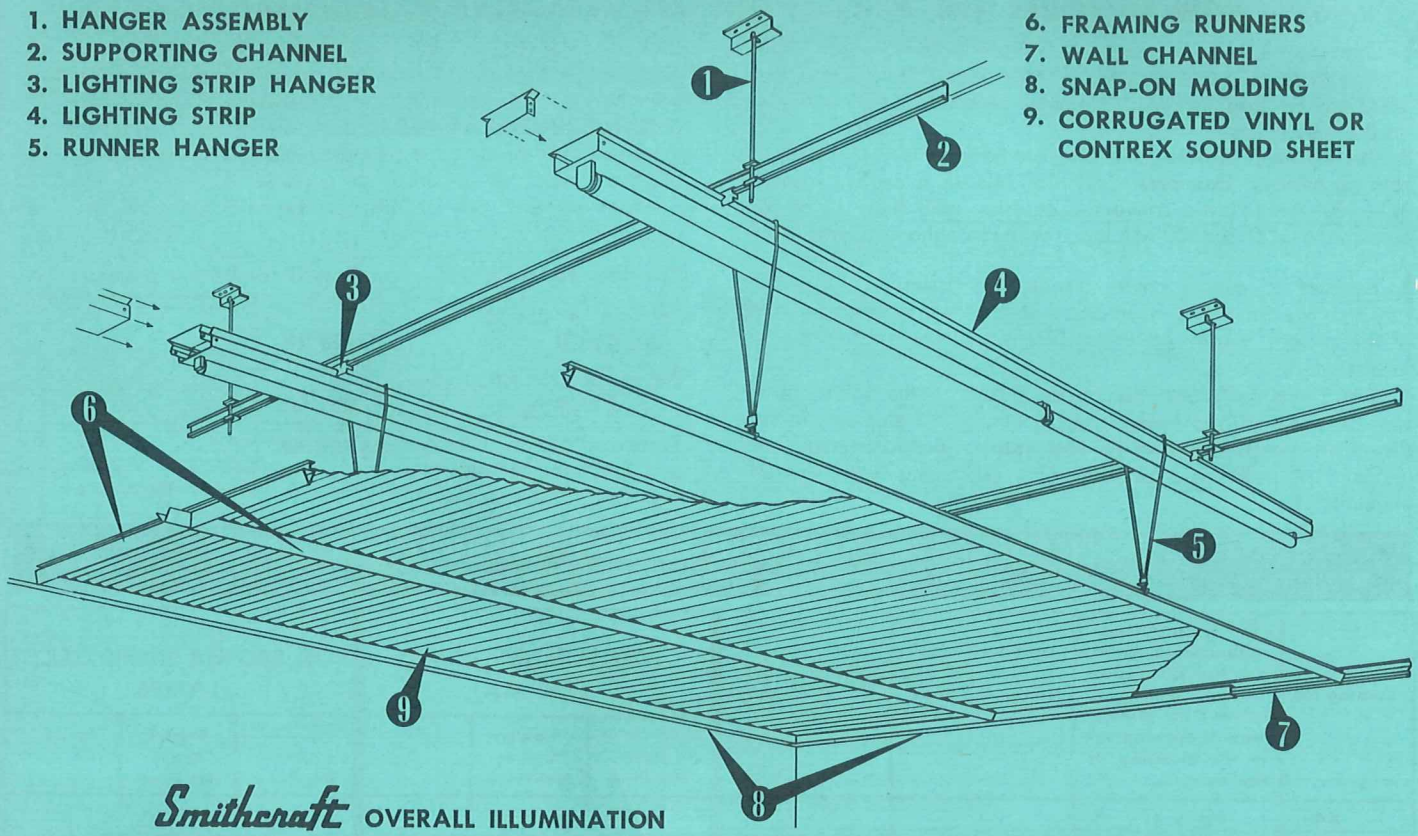
HOLOPHANE PRISMALUME (-H) CONTROLENS® #6024

Cat. No. Suffix	User Net Price	Contr-Dealer Net Price	
-H	$5.03 per sq. ft.	$4.17 per sq. ft.	

® The Holophane Company Inc.

Note: Also available with Acrylic Plastic Dishes. Prices on request.

1. HANGER ASSEMBLY
2. SUPPORTING CHANNEL
3. LIGHTING STRIP HANGER
4. LIGHTING STRIP
5. RUNNER HANGER
6. FRAMING RUNNERS
7. WALL CHANNEL
8. SNAP-ON MOLDING
9. CORRUGATED VINYL OR CONTREX SOUND SHEET



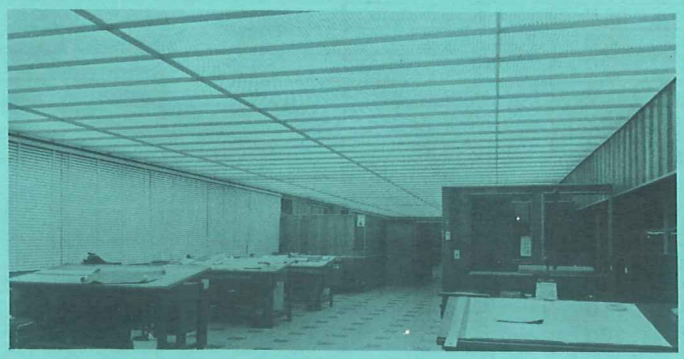
Smithcraft OVERALL ILLUMINATION

An exceptionally practical wall-to-wall lighting system with a "custom-made" appearance. Each module is contained in mitered craftsmanlike framing providing relief from the monotony of an unbroken expanse of shielding by an interesting accent pattern.

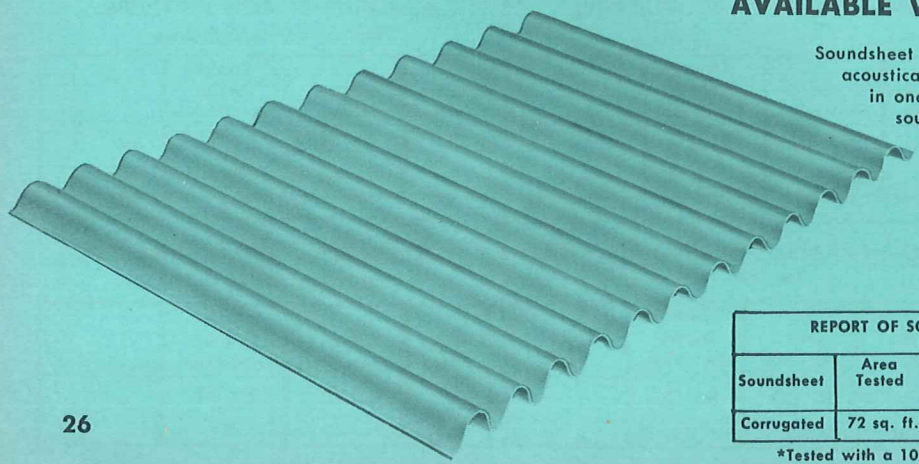
Simple to install because the parts snap together, the system incorporates an exclusive new levelling feature. Once supporting channels are levelled, all other parts are in line assuring a level finished ceiling.

V-shaped framing runners of diffusing medium eliminate annoying black bands, reflecting light from surrounding areas and reducing contrast. Entire system glows with softly-diffused light — free from specular reflections or shadows.

Shorter module length makes access to lighting units or services above easier. Corrugated Plastic or Contrex shielding sections are only 8′ long and are simply slid in the track. Because of size of corrugated plastic sections, Smithcraft Overall Illumination conforms to National Building Code.



AVAILABLE WITH NEW CONTREX SOUNDSHEET



Soundsheet is an attractive plastic laminate, which combines efficient acoustical properties with high-quality illumination characteristics in one medium. Acoustically, Soundsheet provides more balanced sound absorption at low frequencies than the average of commonly used types of acoustical treatment and good absorption at higher frequencies. According to independent tests of corrugated Soundsheet made with a 10″ cavity depth, Soundsheet's NRC (Noise Reduction Coefficient) is .70. New economies are effected by Soundsheet's combined features of sound absorption and light diffusion in one medium.

REPORT OF SOUND ABSORPTION TEST (A56-300) ON SOUNDSHEET* by INDEPENDENT TESTING LABORATORY

Soundsheet	Area Tested	Mounting	Thickness	CO-EFFICIENTS						NRC
				125	250	500	1000	2000	4000	
Corrugated	72 sq. ft.	7	0.013″	.34	.73	.72	.60	.67	.69	.70

*Tested with a 10″ cavity

HOW TO ORDER AND PRICE SMITHCRAFT OVERALL ILLUMINATION

1. Determine length and width of room.
2. Determine direction in which lamps are to run.
3. Divide the dimension of the room in the direction of the lamps by 4. Where the length is not an exact multiple of 4, increase this dimension to the next largest exact 4′ multiple to determine the length of the SOI element in the direction of the lamps.
4. Divide the dimension perpendicular to the lamps by 3. Where the width is not an exact multiple of 3, increase this dimension to the next largest exact 3′ multiple to determine the width of the SOI element perpendicular to the lamps.
5. These two dimensions give the catalog number of SOI unit size to be ordered, with the **dimension in the direction of the lamps** as the first dimension. Example: SOI Catalog Number 20′ x 15′ is the correct size to be ordered for a room 19′ x 14′.
6. Multiply the dimensions shown in the catalog number to obtain the total square feet on which the price is to be based. **(Not the actual room dimensions.)**
7. Determine footcandle intensity from table below, which will indicate whether one-lamp or two-lamp strip is required.

EXAMPLE

For a room 25′ x 28′ with lamps running in 25′ direction, order Cat. No. SOI 28′ x 30′. Base price on 28′ x 30′ or 840 square feet.

This installation will provide approximately 45 footcandles with single-lamp strip and approximately 90 footcandles with two-lamp strip. (From table.)

SMITHCRAFT OVERALL ILLUMINATION
AVERAGE ILLUMINATION IN FOOT CANDLES (MAINTAINED)

TABLE IS FOR SINGLE LAMP STRIP (SEE NOTE BELOW FOR TWO-LAMP STRIP *) WITH CORRUGATED VINYL OR WITH CONTREX SOUNDSHEET BASED ON 36″ LAMP SPACING

ELEMENT LENGTH PERPENDICULAR TO LAMPS

ELEMENT LENGTH IN DIRECTION OF LAMPS	9′	12′	15′	18′	21′	24′	27′	30′	33′	36′	39′	42′	45′
12′	20	28	29	35	36	36	38	43	45	45	45	45	45
16′	22	31	43	46	46	48	49	50	52	52	52	52	52
20′	29	36	46	49	50	53	53	55	55	55	60	62	62
24′	29	38	48	50	52	55	56	56	56	57	63	64	64
28′	31	41	49	53	55	56	63	63	64	64	66	73	73
32′	32	46	50	55	56	57	64	64	66	66	74	74	74
36′	38	49	53	55	57	57	66	66	67	76	76	76	76
40′	38	49	55	56	64	63	67	70	73	76	76	76	76
44′	38	49	55	57	64	66	67	73	76	77	80	80	80
48′	38	52	55	62	66	67	69	74	76	80	80	80	80
52′	39	52	56	64	66	67	69	76	77	81	80	81	81

*NOTE: *For two lamp strip units — double above foot candle intensities.*

*NOTE: *Above intensities are based on the following: 1. 10′ Mounting Height. 2. Cavity Depth not more than 3′ 0″. 3. Cavity Reflection Factor of 80%. 4. Good Maintenance Factor (.70). 5. Cool White 40-WATT Lamps.*

SMITHCRAFT OVERALL ILLUMINATION
ALL PRICES ARE BASED ON 36″ LAMP SPACING

(Prices shown below are for the complete system including strip, suspension system and diffusing media.)

Shielded by:	Lighting Element	Type of Lamps	User Net Price	Contr-Dealer Net Price	
Corrugated Vinyl	One-Lamp Strip	F40T12RS	**$1.43 sq. ft.**	**$1.19 sq. ft.**	
Corrugated Vinyl	Two-Lamp Strip	F40T12RS	**1.73 sq. ft.**	**1.44 sq. ft.**	
Contrex Soundsheet	One-Lamp Strip	F40T12RS	**2.40 sq. ft.**	**2.00 sq. ft.**	
Contrex Soundsheet	Two-Lamp Strip	F40T12RS	**2.70 sq. ft.**	**2.25 sq. ft.**	

Smithcraft HANGING DEVICES for COMMERCIAL FIXTURES

SINGLE STEM SETS

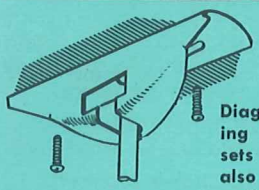
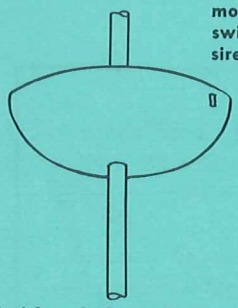


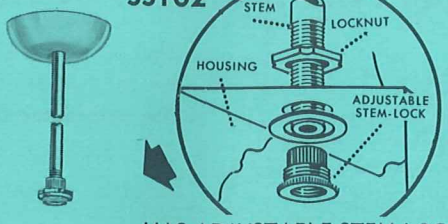
Diagram shows mounting of all single stem sets to outlet box. May also be mounted directly to ceiling. Can be mounted so stems will swing 20° in any desired direction.



Diameter of canopy 5⅛"
Depth 1 13/16"

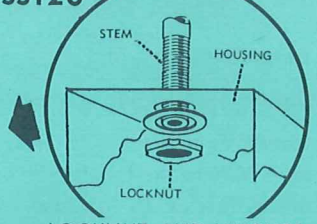
Smithcraft Stem Sets are quickly and easily mounted to outlet box or ceiling, saving hours of costly installation time. Attachments to fixtures as shown at right are fast, safe and economical.

SS102



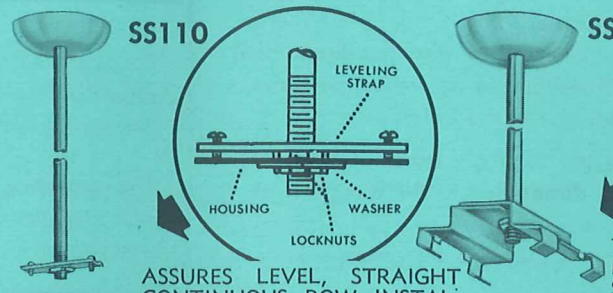
HAS ADJUSTABLE STEM LOCK FOR ADJUSTING AFTER INSTALLATION.

SS120



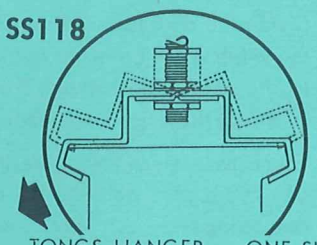
LOCKNUT AND WASHER ON END OF STEM

SS110



ASSURES LEVEL, STRAIGHT CONTINUOUS ROW INSTALLATIONS.

SS118



TONGS HANGER — ONE SIDE FITS ON HOUSING — OTHER SIDE SWINGS DOWN. TOP LOCKNUT IS TIGHTENED. SLIDABLE.

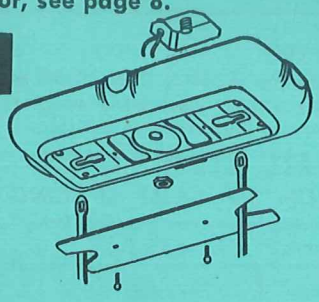
Catalog No.	Description	For Use With	User Net Price	Contr-Dealer Net Price	
SS102	Canopy and Stem Set — canopy, single 15" stem (O.D. ½"), heavy canopy bar, fittings. Stem is adjustable after installation. All White.	Any fixture	$1.65	$1.38	
SS110	Canopy and Stem Set — canopy, single 24" steel stem (O.D. 11/16"), heavy canopy bar, levelling strap, fittings. All White.	Any fixture	2.63	2.19	
SS115	Canopy and Stem Set — canopy, single 15" stem, (O.D. ½"), heavy canopy bar, hanger clamp with adjustable stem, fittings. Stem is adjustable up to 1½" All White.	Mercury	2.03	1.69	
SS118	Canopy and Stem Set — canopy, single 15" steel stem (O.D. ½") heavy canopy bar, fittings, tong, channel bracket. All White.	Twosome, Federal Eye-Q	2.25	1.88	
SS120	Canopy and Stem Set — canopy, single 15" steel stem (O.D. ½") heavy canopy bar, locknut and washer. All White.	Any fixture	1.43	1.19	
For Stem Sets listed above, for longer lengths, add for each foot or fraction thereof (added stem lengths come in 6" multiples).			.44	.36 Per foot per stem	

For Stem Set SS117 for the Director, see page 8.

For Stem Set SS119 for the Large Element, see page 11.

Double Stem Set SS105

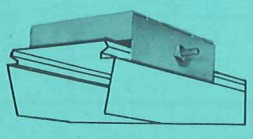
Makes pendant mounting a one-man job. Simplifies the hanging of fixtures and saves up to 50% on installation costs. May be mounted directly over outlet box or directly to ceiling with toggle or expansion bolts through counter sunk holes.



Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
SS105	Canopy and Double Stem Set — Canopy, two 30" steel stems (O.D. 11/16" 8" on centers). Plate insert with screws. Size of canopy 13½" x 6¼".	$4.43	$3.69	
For Stem Set listed above, for longer lengths, add for each foot or fraction thereof (Added stems come in 6" multiples).		$.83	$.69	

CEILING CLAMP SPACER CC504

The CC504 Ceiling Clamp Spacer provides for simplified surface mounting of the Twosome, Eye-Q and Federal series. The ceiling clamps (two to a fixture) are fastened to the ceiling and the fixture is snapped into place. The fixture can then be slid into required position. The CC504 also spaces the fixture a minimum of 1½" away from the ceiling. This conforms with the National Electrical Code requirement that fluorescent fixtures be mounted a minimum of 1½" away from combustible low-density fibreboard.



Catalog No.	User Net Price	Contr. Dealer Net Price	
CC504 Ceiling Clamp (permits simplified surface mounting). Two required per fixture.	.83 ea.	.69 ea.	

CUBEX LOUVERS

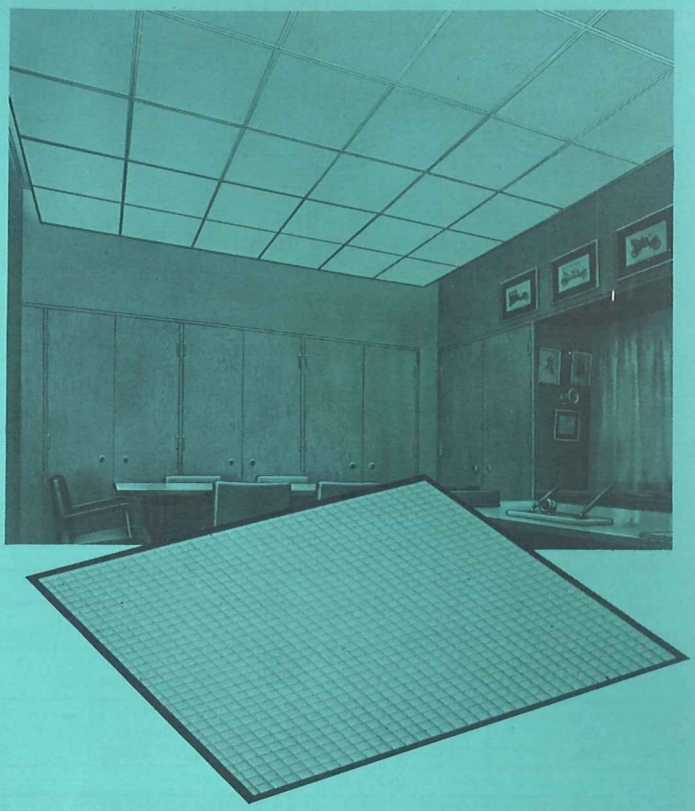
½" x ½" x ½" ALUMINUM LOUVERS
PROVIDING 45° x 45° SHIELDING

Cubex Aluminum Louvers are a new achievement in shielding comfort and in beauty providing 45° x 45° shielding in a very low-bright architecturally-pleasing medium. Cells of the louver are small enough to attain a pleasing crispness and to permit excellent efficiency. Manufactured of aluminum by an exclusive Smithcraft process (patents pending) Cubex Louvers are finished in a special low-bright, non-specular baked white enamel. They are light in weight and easy to handle, yet strong and durable because they are locked at each intersection.

Cubex Aluminum Louvers are excellent for a wide variety of lighting uses; for original installations as a shielding media in lobbies, offices, stores, etc. They may also be used as replacement shielding media in 2' x 2', 3' x 3' or 4' x 4' grid-type suspension systems. Other sizes available for special applications.

Available also with an anodized aluminum finish and in a wide variety of colors to harmonize with various decorating schemes.

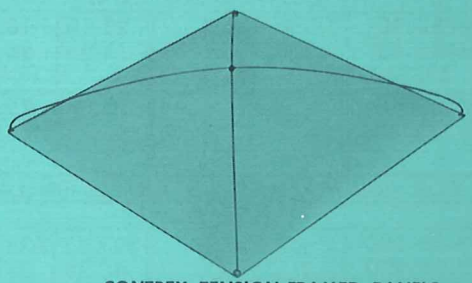
FOR USES WITH SMITHCRAFT EQUIPMENT, SEE THE SMITHCRAFT FORUM, PAGE 6, SMITHCRAFT LARGE ELEMENT, PAGES 10 AND 11, SMITHCRAFT AREA ILLUMINATION, PAGES 24 AND 25. SMITHCRAFT TROFFERS, PAGE 43.



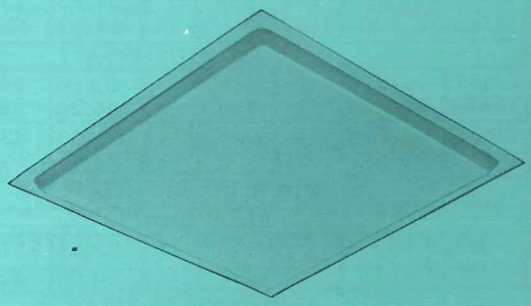
CONTREX SOUNDSHEET

LIGHT DIFFUSION AND ACOUSTICAL CORRECTION COMBINED

Contrex is now available in a complete line of diffusing media including flat and corrugated sheets, tension-framed panels and 2' x 2' formed dishes of various patterns. Contrex is an attractive plastic laminate which combines acoustical properties with high-quality illumination characteristics in one medium. Acoustically, Contrex provides more balanced sound absorption at low and high frequencies than commonly used types of acoustical treatment. According to tests conducted by the Riverbank Acoustical Laboratories of Soundsheet corrugated has a Noise Reduction Coefficient of .70-Flat .60. New economies are effected by Soundsheet's combined features of sound absorption and light diffusion in one medium.



CONTREX TENSION-FRAMED PANELS



FORMED ACRILUME PANS
(OTHER STYLES AVAILABLE. INFORMATION ON REQUEST)

Corrugated Soundsheet

Catalog No.	Width	User Net Price	Contr-Dealer Net Price	
CC42	2-foot wide	$1.35 per sq. ft.	$1.13 per sq. ft.	
CC43	3-foot wide	1.35 per sq. ft.	1.13 per sq. ft.	
CC44	4-foot wide	1.35 per sq. ft.	1.13 per sq. ft.	

SEE PAGES 26 AND 27 FOR SMITHCRAFT OVERALL ILLUMINATION WITH CONTREX SOUNDSHEET.

Contrex Tension-framed Flat Panels

Catalog No.	Width	User Net Price	Contr-Dealer Net Price	
CTF-102	2' x 2' panel	$1.50 per sq. ft.	$1.25 per sq. ft.	

Contrex Formed Acrilume Pans

AVAILABLE IN VARIOUS STYLES. SEND FOR PRICES AND DETAILED INFORMATION.



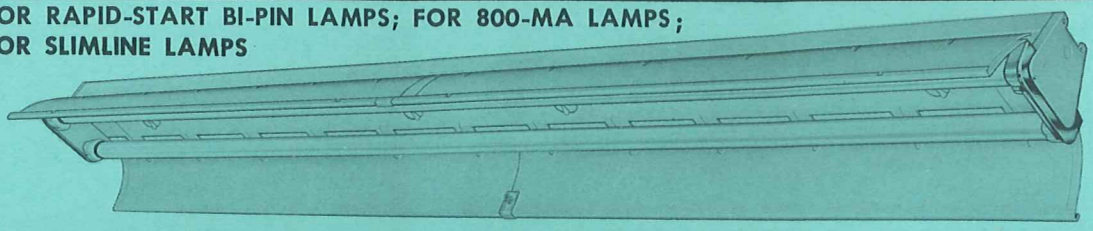
CORRUGATED SOUNDSHEET

SEE PAGES 24 AND 25 FOR SMITHCRAFT AREA ILLUMINATION WITH TENSION-FRAMED PANELS.

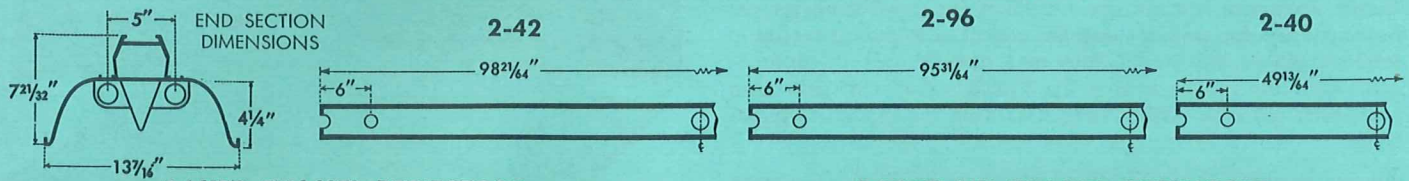
MFS-MFP *Smithcraft* MONITOR WITH 15% UPLIGHTING MFS-MFP

LIGHT DISTRIBUTION 2 LIGHT UNITS $\frac{15\uparrow}{85\downarrow}$ FOR RAPID-START BI-PIN LAMPS; FOR 800-MA LAMPS; FOR SLIMLINE LAMPS

LIGHT DISTRIBUTION 3 LIGHT UNITS $\frac{12\uparrow}{88\downarrow}$



- Quality-constructed, durable industrial units for top value and long-term use.
- 2-light units—15% uplighting—15° crosswise shielding.
- 3-light units—12% uplighting—15° crosswise shielding.
- Uplighting is through collared reflector apertures for extra strength.
- Reflectors are ribbed for extra strength.
- Housing top is a flanged channel with integral side rails to receive slideable hangers (HE508). Adds strength and rigidity.
- Turret lampholders provide trouble-free service and securely lock lamps in place.
- Easy-to-grasp, captive, white reflector catches.
- Quickly mounted by any conventional means — rod, chain, messenger cable, etc.



SPACING OF KNOCKOUTS

BAKED ENAMEL REFLECTORS FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL†					
MFS2-40	2 F40T12RS	30	$22.50	$18.75	
MFS3-40	3 F40T12RS	35	31.65	26.38	
CONTINUOUS ROW*					
CMFS2-40	2 F40T12RS	30	22.50	18.75	
CMFS2-42	4 F40T12RS (8′ housing)	59	44.25	36.88	
CMFS3-40	3 F40T12RS	35	31.65	26.38	
CMFS3-42	6 F40T12RS (8′ housing)	65	56.78	47.31	

FOR 800-MA RAPID-START BI-PIN LAMPS

INDIVIDUAL†					
MFS2-48-800	2F48T12HO	53	$33.83	$28.19	
MFS2-96-800	2F96T12HO		46.28	38.56	
MFS3-48-800	3F48T12HO	66	51.90	43.25	
MFS3-96-800	3F96T12HO		64.50	53.75	
CONTINUOUS ROW*					
CMFS2-48-800	2F48T12HO	53	33.83	28.19	
CMFS2-96-800	2F96T12HO		46.28	38.56	
CMFS3-48-800	3F48T12HO	66	51.90	43.25	
CMFS3-96-800	3F96T12HO		64.50	53.75	

FOR SLIMLINE LAMPS

INDIVIDUAL†					
MFS2-96	2 F96T12	57	$37.65	$31.38	
MFS3-96	3 F96T12	66	54.00	45.00	
CONTINUOUS ROW*					
CMFS2-96	2 F96T12	57	37.65	31.38	
CMFS3-96	3 F96T12	66	54.00	45.00	

PORCELAIN ENAMEL REFLECTORS FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL†					
MFP2-40	2 F40T12RS	31	$23.63	$19.69	
MFP3-40	3 F40T12RS	36	32.78	27.31	
CONTINUOUS ROW*					
CMFP2-40	2 F40T12RS	31	23.63	19.69	
CMFP2-42	4 F40T12RS (8′ housing)	61	46.50	38.75	
CMFP3-40	3 F40T12RS	36	32.78	27.31	
CMFP3-42	6 F40T12RS (8′ housing)	67	59.03	49.19	

FOR 800-MA RAPID-START BI-PIN LAMPS

INDIVIDUAL†					
MFP2-48-800	2F48T12HO	55	$34.95	$29.13	
MFP2-96-800	2F96T12HO		48.53	40.44	
MFP3-48-800	3F48T12HO	68	53.03	44.19	
MFP3-96-800	3F96T12HO		66.75	55.63	
CONTINUOUS ROW*					
CMFP2-48-800	2F48T12HO	55	34.95	29.13	
CMFP2-96-800	2F96T12HO		48.53	40.44	
CMFP3-48-800	3F48T12HO	68	53.03	44.19	
CMFP3-96-800	3F96T12HO		66.75	55.63	

FOR SLIMLINE LAMPS

INDIVIDUAL†					
MFP2-96	2 F96T12	59	$39.90	$33.25	
MFP3-96	3 F96T12	68	56.25	46.88	
CONTINUOUS ROW*					
CMFP2-96	2 F96T12	59	39.90	33.25	
CMFP3-96	3 F96T12	68	56.25	46.88	

SPECIFY HOW UNITS ARE TO BE HUNG, LENGTH AND NUMBER OF ROWS, SO WE CAN SUPPLY PROPER ACCESSORIES.

PACKED ONE UNIT TO A CARTON, IF SO SPECIFIED, DROP SHIPMENTS PACKED BULK

†INDIVIDUAL units include fixture with end caps and in 8′ units steel reflector couplings between 4′ reflectors.

**CONTINUOUS units include fixtures with necessary housing connectors and end caps to finish off rows, also steel reflector couplings between 4′ reflectors and between fixtures.*

ACCESSORIES

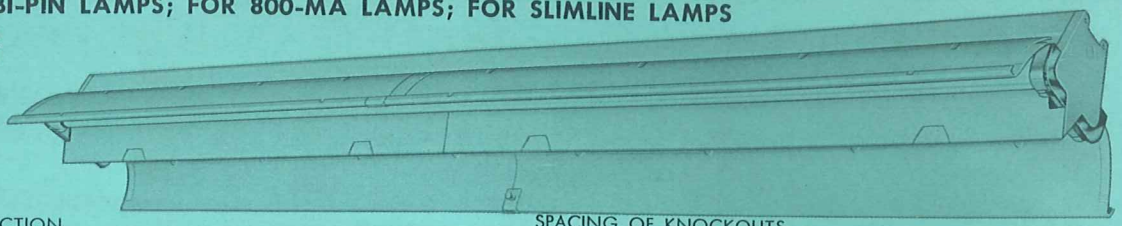
HE508	SLIDE HANGER for rod, chain or messenger cable	$.45 ea.	$.38 ea.	
E736	Housing End Cap MFP Series	.45 ea.	.38 ea.	
E737	Housing End Cap MVP Series	$.53 ea.	$.44 ea.	
ER720	Reflector End Closure	.68 ea.	.56 ea.	
HC706	Housing Connector	.45 ea.	.38 ea.	

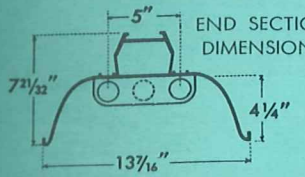
SEE OPPOSITE PAGE FOR 30° x 30° LOUVERS FOR MONITOR UNITS

MVS-MVP *Smithcraft* MONITOR V-25 WITH 25% UPLIGHTING MVS-MVP

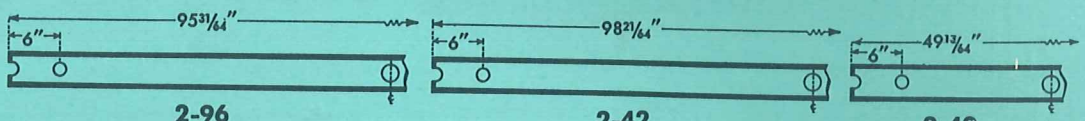
FOR RAPID-START BI-PIN LAMPS; FOR 800-MA LAMPS; FOR SLIMLINE LAMPS

LIGHT DISTRIBUTION ↑25 ↓75





SPACING OF KNOCKOUTS



2-96 2-42 2-40

- **Top quality, high value industrial units with V-shaped reflectors to shield the lamps for low brightness and high efficiency.**
- **30° crosswise shielding — 25% uplighting through reflector apertures, collared for extra strength.**
- **Reflectors are ribbed for extra strength.**
- **Turret lampholders provide trouble-free service and securely lock lamps in place.**
- **Housing top is a flanged channel with integral side rails to receive slideable hangers (HE508). Adds strength and rigidity.**
- **Easy-to-grasp V-shaped, white reflector catches.**
- **Quickly mounted by any conventional means — rod, chain, messenger cable, etc.**

BAKED ENAMEL REFLECTORS FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
Individual — Fixture with end caps					
MVS2-40	2 F40T12RS	32	**$23.78**	**$19.81**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes steel reflector couplings between 4′ reflectors and between fixtures.					
CMVS2-40	2 F40T12RS	32	**23.78**	**19.81**	
CMVS2-42	4 F40T12RS	64	**47.10**	**39.25**	

FOR 800-MA RAPID-START BI-PIN LAMPS

INDIVIDUAL — Fixture with end caps. Includes steel reflector couplings between 4′ reflectors.					
MVS2-48-800	2 F48T12HO	30	**$35.63**	**$29.69**	
MVS2-96-800	2 F96T12HO	55	**47.63**	**39.69**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps to finish off rows. Includes steel reflector couplings between 4′ reflectors and between fixtures.					
CMVS2-48-800	2 F48T12HO	30	**35.63**	**29.69**	
CMVS2-96-800	2 F96T12HO	55	**47.63**	**39.69**	

FOR SLIMLINE LAMPS

INDIVIDUAL — Fixture with end caps. Includes steel reflector couplings between 4′ reflectors.					
MVS2-96	2 F96T12	62	**$38.70**	**$32.25**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes steel reflector couplings between 4′ reflectors and between fixtures.					
CMVS2-96	2 F96T12	62	**38.70**	**32.25**	

PORCELAIN ENAMEL REFLECTORS FOR RAPID-START BI-PIN LAMPS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL — Fixture with end caps.					
MVP2-40	2 F40T12RS	31	**$26.03**	**$21.69**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes steel reflector couplings between 4′ reflectors and between fixtures.					
CMVP2-40	2 F40T12RS	31	**26.03**	**21.69**	
CMVP2-42	4 F40T12RS	61	**51.60**	**43.00**	

FOR 800-MA RAPID-START BI-PIN LAMPS

INDIVIDUAL — Fixture with end caps.					
MVP2-48-800	2 F48T12HO	32	**$37.88**	**$31.56**	
MVP2-96-800	2 F96T12HO	57	**52.13**	**43.44**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes steel reflector couplings between 4′ reflectors and between fixtures.					
CMVP2-48-800	2 F48T12HO	32	**37.88**	**31.56**	
CMVP2-96-800	2 F96T12HO	57	**52.13**	**43.44**	

FOR SLIMLINE LAMPS

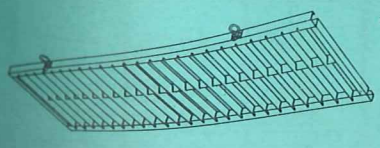
INDIVIDUAL — Fixture with end caps, includes steel reflector couplings between 4′ reflectors.					
MVP2-96	2 F96T12	59	**$43.20**	**$36.00**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes steel reflector couplings between 4′ reflectors and between fixtures.					
CMVP2-96	2 F96T12	59	**43.20**	**36.00**	

SPECIFY HOW UNITS ARE TO BE HUNG, LENGTH AND NUMBER OF ROWS, SO WE CAN SUPPLY PROPER ACCESSORIES.

PACKED ONE UNIT TO A CARTON, IF SO SPECIFIED, DROP SHIPMENTS PACKED BULK

LOUVERS FOR MONITOR UNITS

4′ LOUVER DOOR FOR 30° x 30° SHIELDING* Side from which louver hinges is optional. Louvers are extremely strong and rigid because of permanent welding at each intersection and because of integral side rails. Louver releases by simple swivel catches.

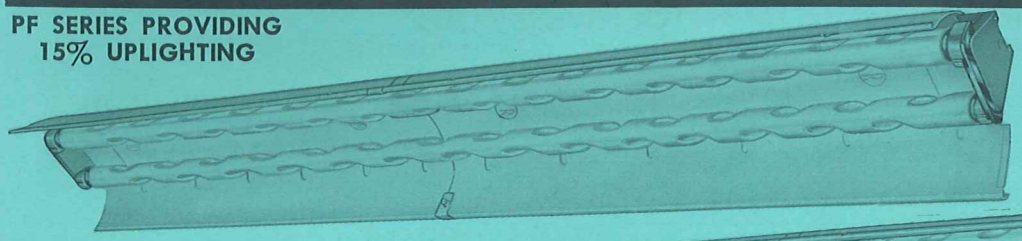


**Requires use of Reflector End Closures (ER720) for individual mounting or for ends of continuous rows. Also used on units without louvers to close ends of reflectors, as desired.*

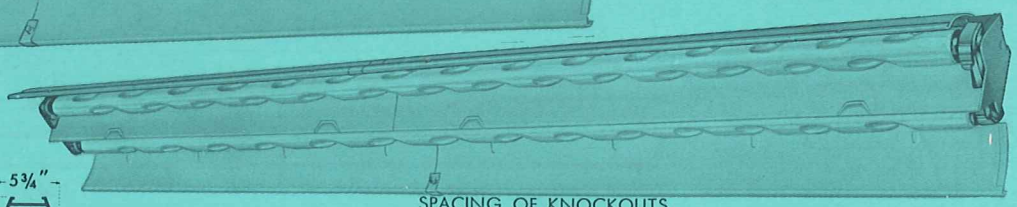
Cat. No.	For Use With (8′ units require 2 louvers)	User Net Price	Contr. Dealer Net Price	
L316	MFP2-40 and 2-42 units	$7.50	$6.25	
L316A	MFP2-96 units	7.50	6.25	
L317	MFP3-40 & 3-42 units MVP2-40 and 2-42 units	6.75	5.63	
L317A	MVP2-96 units	6.75	5.63	

SEE OPPOSITE PAGE FOR ACCESSORIES

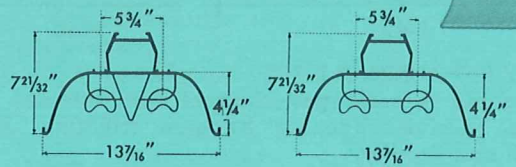
PF SERIES PROVIDING 15% UPLIGHTING



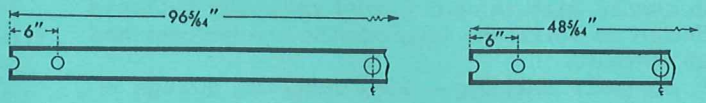
PV SERIES PROVIDING 25% UPLIGHTING



END SECTION DIMENSIONS



SPACING OF KNOCKOUTS



- **PF-series — 11° crosswise shielding — 15% uplighting.**
- **PV-series — 17° crosswise shielding — 25% uplight-lighting. V-type reflectors shield lamps with high efficiency and low brightness.**
- **Uplighting apertures are collared for extra strength.**
- **Reflectors are ribbed for extra strength.**
- **Housing top is a flanged channel with integral side rails to receive slideable hangers (HE-508). Adds strength and rigidity.**
- **Easy-to-grasp, captive, white reflector catches.**
- **Quickly mounted by any conventional means — rod, chain, messenger cable, etc.**
- **Up to 2½ times higher levels at lower cost per foot candle.**
- **Designed for top value and long-term use.**

FLAT REFLECTOR — 15% UPLIGHTING

BAKED ENAMEL REFLECTORS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL — Fixture with end caps. Includes steel reflector couplings between 4′ reflectors.					
PFS2-96	2 F96PG17	63	**$64.13**	**$53.44**	
PFS2-48	2 F48PG17	41	**38.70**	**32.25**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes steel couplings between 4′ reflectors and between fixtures.					
CPFS2-96	2 F96PG17	63	**64.13**	**53.44**	
CPFS2-48	2 F48PG17	41	**38.70**	**32.25**	

PORCELAIN ENAMEL REFLECTORS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
INDIVIDUAL — Fixture with end caps. Includes steel reflector couplings between 4′ reflectors.					
PFP2-96	2 F96PG17	65	**$67.13**	**$55.94**	
PFP2-48	2 F48PG17	42	**40.20**	**33.50**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes steel reflector couplings between 4′ reflectors and between fixtures.					
CPFP2-96	2 F96PG17	65	**67.13**	**55.94**	
CPFP2-48	2 F48PG17	42	**40.20**	**33.50**	

V-REFLECTOR — 25% UPLIGHTING

INDIVIDUAL — Fixture with end caps. Includes steel reflector couplings between 4′ reflectors.					
PVS2-96	2 F96PG17	68	**$66.00**	**$55.00**	
PVS2-48	2 F48PG17	44	**40.50**	**33.75**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes steel reflector couplings between 4′ reflectors and between fixtures.					
CPVS2-96	2 F96PG17	68	**66.00**	**55.00**	
CPVS2-48	2 F48PG17	44	**40.50**	**33.75**	

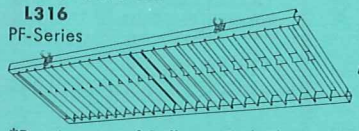
INDIVIDUAL — Fixture with end caps. Includes steel reflector couplings between 4′ reflectors.					
PVP2-96	2 F96PG17	70	**$70.50**	**$58.75**	
PVP2-48	2 F48PG17	45	**42.75**	**35.63**	
CONTINUOUS ROW — Fixture with necessary housing connector and end caps. Includes steel reflector couplings between 4′ reflectors and between fixtures.					
CPVP2-96	2 F96PG17	70	**70.50**	**58.75**	
CPVP2-48	2 F48PG17	45	**42.75**	**35.63**	

SPECIFY HOW UNITS ARE TO BE HUNG, LENGTH AND NUMBER OF ROWS, SO WE CAN SUPPLY PROPER ACCESSORIES.

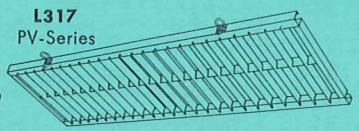
PACKED ONE COMPLETE UNIT TO A CARTON, IF SO SPECIFIED, DROP SHIPMENTS PACKED BULK

4′ LOUVER DOOR FOR 30° x 30° SHIELDING* Side from which louver hinges is optional. Louvers are extremely strong and rigid because of permanent welding at each intersection and because of integral side rails. Louver releases by simple swivel catches.

L316 PF-Series



L317 PV-Series



**Requires use of Reflector End Closures (ER720) for individual mounting or for ends of continuous rows. Also used on units without louvers to close ends of reflectors, as desired*

Catalog No.	User Net Price	Contr-Dealer Net Price	
L317A PV-series	**$6.75**	**$5.63**	
L316A PF-series	**7.50**	**6.25**	

ACCESSORIES

Catalog No.	Description	User Net Price	Contr-Dealer Net Price	
E736	Housing End Cap PF-series	**$.45** ea.	**$.38** ea.	
E737	Housing End Cap PV-series	**.53** ea.	**.44** ea.	
ER720	Reflector End Closure	**.68** ea.	**.56** ea.	
HC706	Housing Connector	**.45** ea.	**.38** ea.	
HE508	SLIDE HANGER for rod, chain or messenger cable	**.45** ea.	**.38** ea.	

FOR 8′ SLIMLINE LAMPS; FOR 4′ RAPID-START LAMPS PROVIDING 19% UPLIGHTING

AMERICA'S FINEST FACTORY LIGHTING

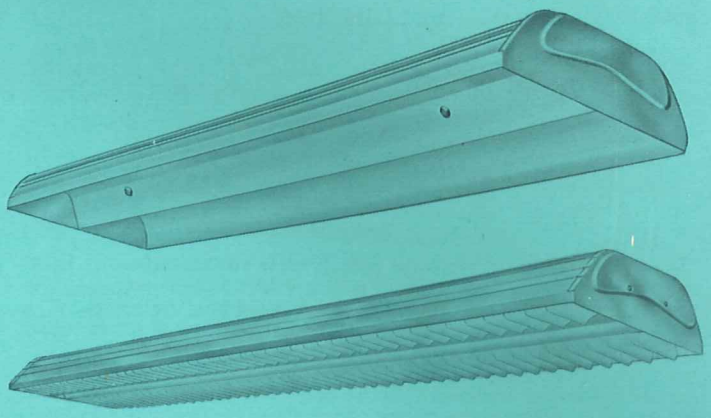
Wherever the Smithcraft A•L•S is installed, many favorable production factors result: improved quality, greater accuracy, less fatigue, improved safety conditions, less employee turnover and absenteeism. The following quality lighting characteristics explain why the A-L-S is "lighting for production" and why the unit provides today's most comfortable factory seeing.

- **Extremely high efficiency.**
- **30° crosswise shielding**
- **Transverse uplighting* . . . lights ceiling without "hot spots". (Patent Reissue #23,485. 19% of the fixture output is in uplighting.**
- **The A•L•S is more than 16" wide; lamps are spaced 8" apart . . . results in extremely comfortable low brightness.**
- **Continuous lines of light . . . all light from end to end . . . no dark areas between fixtures—lampholders are back to back.**

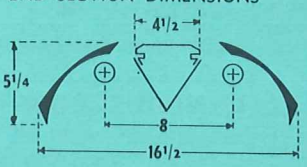
In addition to these outstanding lighting characteristics, the A•L•S is easy and economical to install and maintain and has several important safety features.

- **Lamps are roofed over for protection against falling dust.**
- **Stays clean longer. Airflow construction minimizes accumulation of dust.**
- **Reflectors are removed simply by pressing conveniently located release buttons.**
- **Reflectors cannot vibrate loose. Lamps are double-held . . . by lamp socket . . . by reflector.**
- **Reflectors are rolled sections with box-like construction at both edges providing new strength and rigidity.**

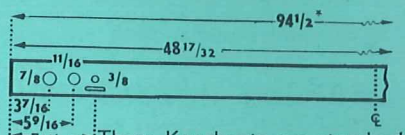
The A•L•S is extremely easy and simple to install by any of the usual methods (rod, conduit, stem set, chain, messenger cable, etc.) The Smithcraft A•L•S is finished in White Supercoat Baked Enamel with a retlectance of 86%.



END SECTION DIMENSIONS



SPACING OF KNOCKOUTS



These Knockouts are standard for 4′ and 8′ units

*In Continuous Rows add 3/8" (End Cap dimension) only at end of rows.

BUY LIGHTING — NOT FIXTURES! !

A-L•S Quality Factory Lighting actually costs less to own and operate. Fewer units are required to produce the same lighting levels. The figures shown below are based on a typical industrial area, but regardless of size or other conditions substantial savings will be effected with A•L•S Quality Factory Lighting. Fixture X is a unit with 6-10% uplighting (design and performance conforming with RLM standards.)

	A•L•S QUALITY Factory Lighting	FIXTURE X
TOTAL FIRST COST 184—A-L•S/216—FIXTURES X	$11.549.68	$12,173.76
AMORITIZATION 10% PER YEAR	1,154.97	1,217.38
LAMP COSTS	654.36	766.08
MAINTENANCE	184.00	324.00
POWER COSTS	2,915.52	3,410.88
TOTAL ANNUAL COST	$4,908.85	$5,718.34
• NET SAVING PER YEAR	$809.49	
• TEN YEAR SAVING	$8,094.90	
• NET SAVING PER YEAR FOR EACH A•L•S UNIT INSTALLED	$4.40	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
ALS2-96	2 F96T12	60	$53.03	$44.19	

FOR RAPID-START BI-PIN LAMPS

ALS2-40	2 F40T12RS	33	35.25	29.38	

FOR 800-MA RAPID-START 8′ LAMPS

ALS2-96-800	2 F96T12HO	55	64.50	53.75	

A.L.S. WITH LOUVERS

Providing 30° crosswise, 30° lengthwise shielding

FOR SLIMLINE LAMPS (430-MA)

ALS2-96L	2 F96T12	61	66.38	55.31	

FOR RAPID-START BI-PIN LAMPS

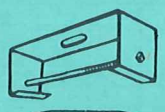
ALS2-40L	2 F40T12RS	34	42.30	35.25	

FOR 800-MA RAPID-START BI-PIN LAMPS

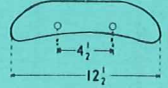
ALS2-96-800L	2 F96T12HO	56	77.93	64.94	

PACKED ONE COMPLETE UNIT TO A CARTON

HE505
HE506



E730



HC705



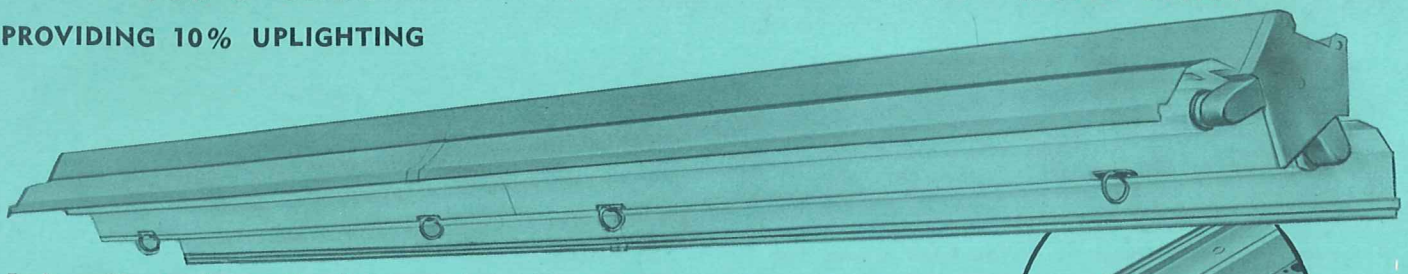
A. L. S. PARTS AND ACCESSORIES

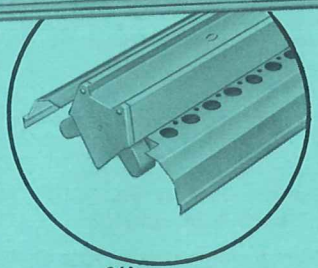
Catalog No.	User Net Price	Contr-Dealer Net Price	
HE505 — Slide grip clamp for chain and rod mounting	$.75	$.63	
HE506 — Slidegrip clamp for ½" conduit mounting	.75	.63	
E730 — Channel End Cap	1.13	.94	
HC705 — Housing Connector	.45	.38	

FOR OTHER INDUSTRIAL FIXTURE ACCESSORIES, SEE PAGE 35.

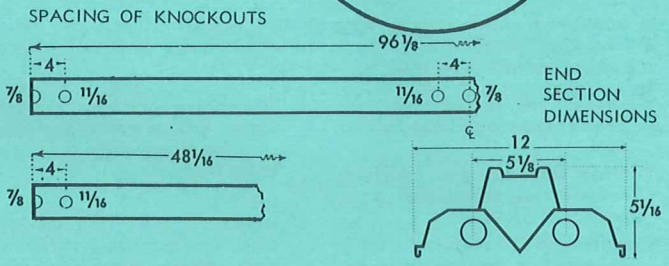
FOR 8′ SLIMLINE LAMPS; FOR 4′ BI-PIN LAMPS — RAPID-START

PROVIDING 10% UPLIGHTING





Engineered in accordance with today's most advanced factory lighting practice, the Smithcraft Tech provides approximately 10% uplighting through openings in the top of the reflectors. The smooth sides of the housing are constructed on an angle for maximum uplighting efficiency. Reflectors provide a shielding of 13° and have a V-center construction that results in comfortable low-brightness and a shallow, compact unit. Finish of the Tech is all white with reflectors of either porcelain or white baked enamel. Through an exclusive new Smithcraft mounting arrangement, hangers are simply slid into the flanged channel which is the top of the housing, saving hours of installation time. Rods, chain or messenger cable clamps are easily attached to the hangers. Large grip, spring-mounted loops are given a simple quarter turn to release the reflectors.



ORDERING INFORMATION CONTINUOUS ROW MOUNTING: Specify how the units are to be hung, length of rows and number of rows. We can then check the correct quantity of end caps, connectors, reflector couplings and accessories which may be required, which we furnish with continuous mounting units.

FOR RAPID START BI-PIN LAMPS

SUPERCOAT BAKED ENAMEL REFLECTORS

INDIVIDUAL MOUNTING (Fixture with End Caps)

Catalog No.	No. and Type of Lamps	Ship Wt.	User Net Price	Contr-Dealer Net Price	
TEC2-40S	2 F40T12RS	26	$21.30	$17.75	
TEC2-42S	4 F40T12RS	52	42.38	35.31	
(8′ housing- Two 4′ reflectors)					

CONTINUOUS MOUNTING — (See note below)*

CTEC2-40S	2 F40T12RS	27	$21.30	$17.75	
CTEC2-42S	4 F40T12RS	52	42.38	35.31	
(8′ housing- Two 4′ reflectors)					

LIFETIME PORCELAIN ENAMEL REFLECTORS

INDIVIDUAL MOUNTING — Fixture with End Caps

TEC2-40P	2 F40T12RS	27	$22.88	$19.06	
TEC2-42P	4 F40T12RS	54	45.53	37.94	
(8′ housing- Two 4′ reflectors)					

CONTINUOUS MOUNTING — (See note below)*

CTEC2-40P	2 F40T12RS	27	$22.88	$19.06	
CTEC2-42P	4 F40T12RS	54	45.53	37.94	
(8′ housing- Two 4′ reflectors)					

FOR SLIMLINE LAMPS (430-MA)

SUPERCOAT BAKED ENAMEL REFLECTORS

INDIVIDUAL MOUNTING (Fixture with End Caps)

Catalog No.	No. and Type of Lamps	Ship Wt.	User Net Price	Contr-Dealer Net Price	
TEC2-96S	2 F96T12	55	$39.00	$32.50	
(8′ housing- 8′ reflector)					

CONTINUOUS MOUNTING — (See note below)*

CTEC2-96S	2 F96T12	55	$39.00	$ 32.50	
(8′ housing- 8′ reflector)					

LIFETIME PORCELAIN ENAMEL REFLECTORS

INDIVIDUAL MOUNTING — Fixture with End Caps

TEC2-96P	2 F96T12	57	$41.93	$ 34.94	
(8′ housing- Two 4′ reflectors)					

CONTINUOUS MOUNTING — (See note below)*

CTEC2-96P	2 F96T12	57	$41.93	$ 34.94	
(8′ housing- Two 4′ reflectors)					

TECH FOR 800-MA RAPID-START LAMPS

	User Net Price	Contr-Dealer Net Price	
Add to prices of TEC2-96 units as follows. Add 800 to Cat. No. Ex. TEC2-96-800S	$10.65	$ 8.88	

***CONTINUOUS ROW MOUNTING** — Includes necessary end caps to finish off rows. Includes connectors and reflector couplings (RC102) between 4′ reflectors and between fixtures.


HE508


E731


HC706

RC102

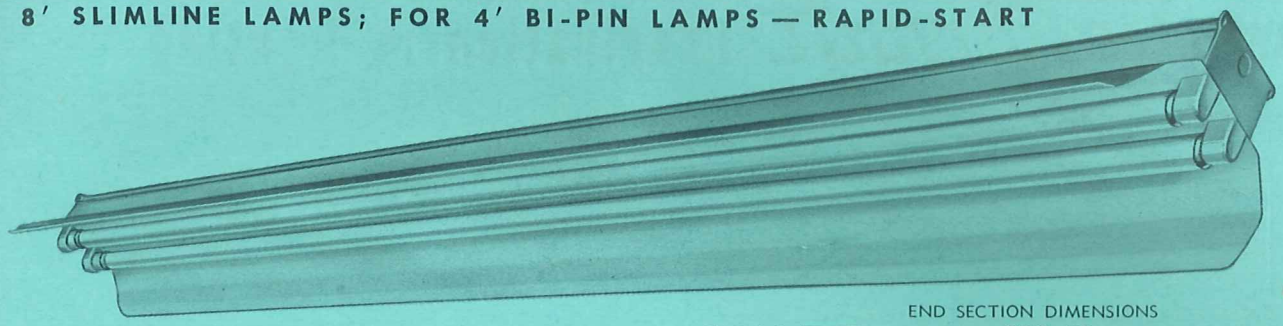
TECH PARTS AND ACCESSORIES

Catalog No.	User Net Price	Contr-Dealer Net Price	
HE508 — Slide Hanger for rod chain or messenger cable mounting	$.53	$.44	
E731 — End cap	.53	.44	
HC706 — Housing connector	.53	.44	
RC102 — Pair of reflector couplings	.53	.44	

SEE PAGE 35 FOR OTHER INDUSTRIAL FIXTURE ACCESSORIES

Tech units are packed one complete unit to a carton, if so specified. Drop shipments packed bulk.

FOR 8′ SLIMLINE LAMPS; FOR 4′ BI-PIN LAMPS — RAPID-START

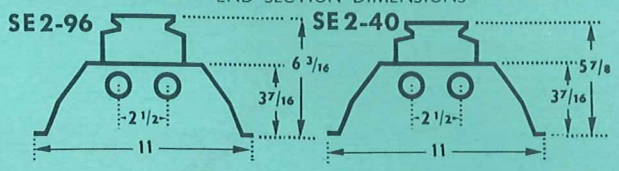


Fully guaranteed by Smithcraft these outstanding quality constructed industrial units are extremely economical in cost. Heavy gauge steel reflectors provide a 13½° shielding. CBM-Ballasts are fully enclosed. Installation and maintenance are simple, fast and efficient.

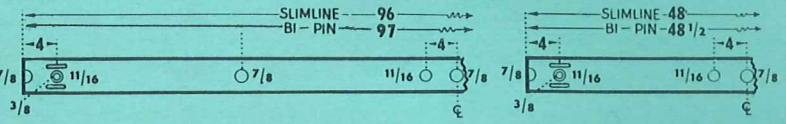
Available in Rapid Start or Slimline, with Supercoat Baked Enamel Reflectors. For individual or continuous mounting.

Ordering information continuous row: specify length of rows and number of rows, so we can furnish the correct quantity of end caps and connectors.

END SECTION DIMENSIONS



SPACING OF KNOCKOUTS



FOR RAPID-START BI-PIN LAMPS

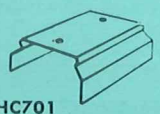
Catalog No.	No. and Type of Lamps	Ship Wt.	User Net Price	Contr-Dealer Net Price	
SUPERCOAT BAKED ENAMEL REFLECTORS					
INDIVIDUAL MOUNTING (Fixture with End Caps)					
SE2-40	2 F40T12RS	21	**$15.60**	**$13.00**	
CONTINUOUS MOUNTING (Fixture with necessary housing connector and End Caps).					
CSE2-40	2 F40T12RS	21	**$15.60**	**$13.00**	
CSE2-42	4 F40T12RS (8′ Housing-4′ reflectors)	42	**31.20**	**26.00**	

FOR SLIMLINE LAMPS (430-MA)

Catalog No.	No. and Type of Lamps	Ship Wt.	User Net Price	Contr-Dealer Net Price	
SE2-96	2 F96T12 (8′ housing-8′ reflectors)	46	**$28.88**	**$24.06**	
CSE2-96	2 F96T12 (8′ housing-8′ reflectors)	46	**$28.88**	**$24.06**	

SE SERIES PARTS AND ACCESSORIES


E727


HC701


HE502

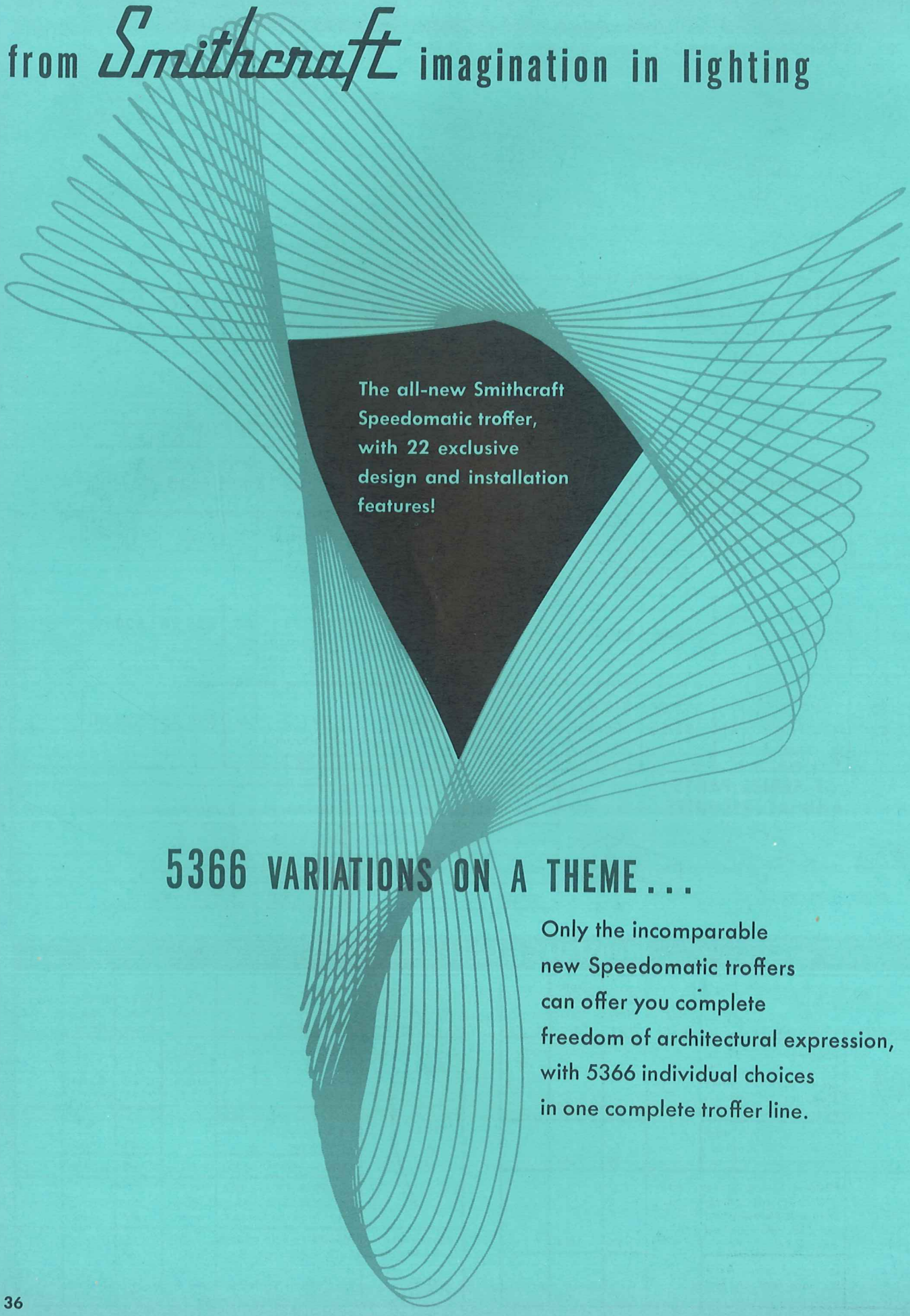
Catalog No.	User Net Price	Contr-Dealer Net Price	
E727 — Channel End Cap (gray)	**$.30**	**$.25**	
HC701 — Housing Connector	**.38**	**.31**	
HE502 — Slidegrip Hangers	**.53**	**.44**	

INDUSTRIAL FIXTURE ACCESSORIES

Part No. and Description		For Use With	User Net Price	Contr-Dealer Net Price	
	**P200** — 4′ long, 2-wire #18SJ cord with **2-prong parallel blade plug,** for 125 volts — wired into fixture.	All Ind. Fixtures	$.83	$.69	
	For longer lengths, **add** for each foot or fraction thereof		.09	.08	
	**P300** — 5′ long, 3-wire #18SJ cord with **parallel-ground blade plug,** for 125 volts — wired into fixture.	All Ind. Fixtures	1.73	1.44	
	For longer length **ADD** for each foot of cord or fraction thereof		.11	.09	

Part No. and Description		For Use With	User Net Price	Contr-Dealer Net Price	
Chain Suspension "S" Hooks 	**C150** — Two 4′ lengths HEAVY CHAIN with Y branch and #39 "S" hooks.	All Ind. Fixtures	$1.01	$.84 per set	
	For longer lengths, **add** for each foot or fraction thereof		.11	.09	
	S100 — #39 "S" hooks		.03	.03	
	CC800 — Chain Adaptor for chain mounting. Fits in slots on housing.	ALS SE units	.07	.06	
Messenger Cable Clamp 	**MS605** — Bolts through K. O. in housing top or bolts to slide Hangers. Hangs from Messenger Cable.	All Ind. Fixtures	.38	.31	

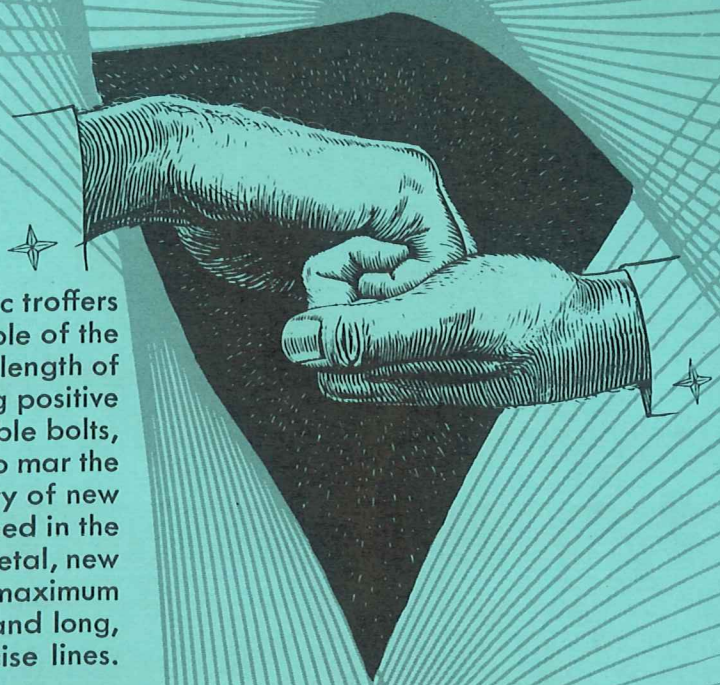
from *Smithcraft* imagination in lighting



5366 VARIATIONS ON A THEME...

Only the incomparable
new Speedomatic troffers
can offer you complete
freedom of architectural expression,
with 5366 individual choices
in one complete troffer line.

simplicity — the key to positive light seal



New Smithcraft Speedomatic troffers utilize the principle of the interlocking grip, the full length of the door frame, assuring positive light seal. There are no visible bolts, catches or hinges to mar the architectural beauty of new Speedomatic troffers. Framed in the ceiling by a single width of metal, new Speedomatic troffers offer maximum illuminated areas and long, free-flowing precise lines.

Today's most versatile troffer, the new Smithcraft Speedomatic is available in one- and two-foot wide widths, in an abundance of sizes and shieldings that add up to 5366 individual choices in one complete troffer line. This unique versatility allows the architect complete freedom of expression in lighting arrangements.

new Smithcraft SPEEDOMATIC TROFFERS

Specifying and ordering of Speedomatic is extremely simple — four basic types fit over 100 ceiling systems (as listed in Smithcraft's complete Ceiling Index on page 41.)

new *Smithcraft* SPEEDOMATIC TROFFERS

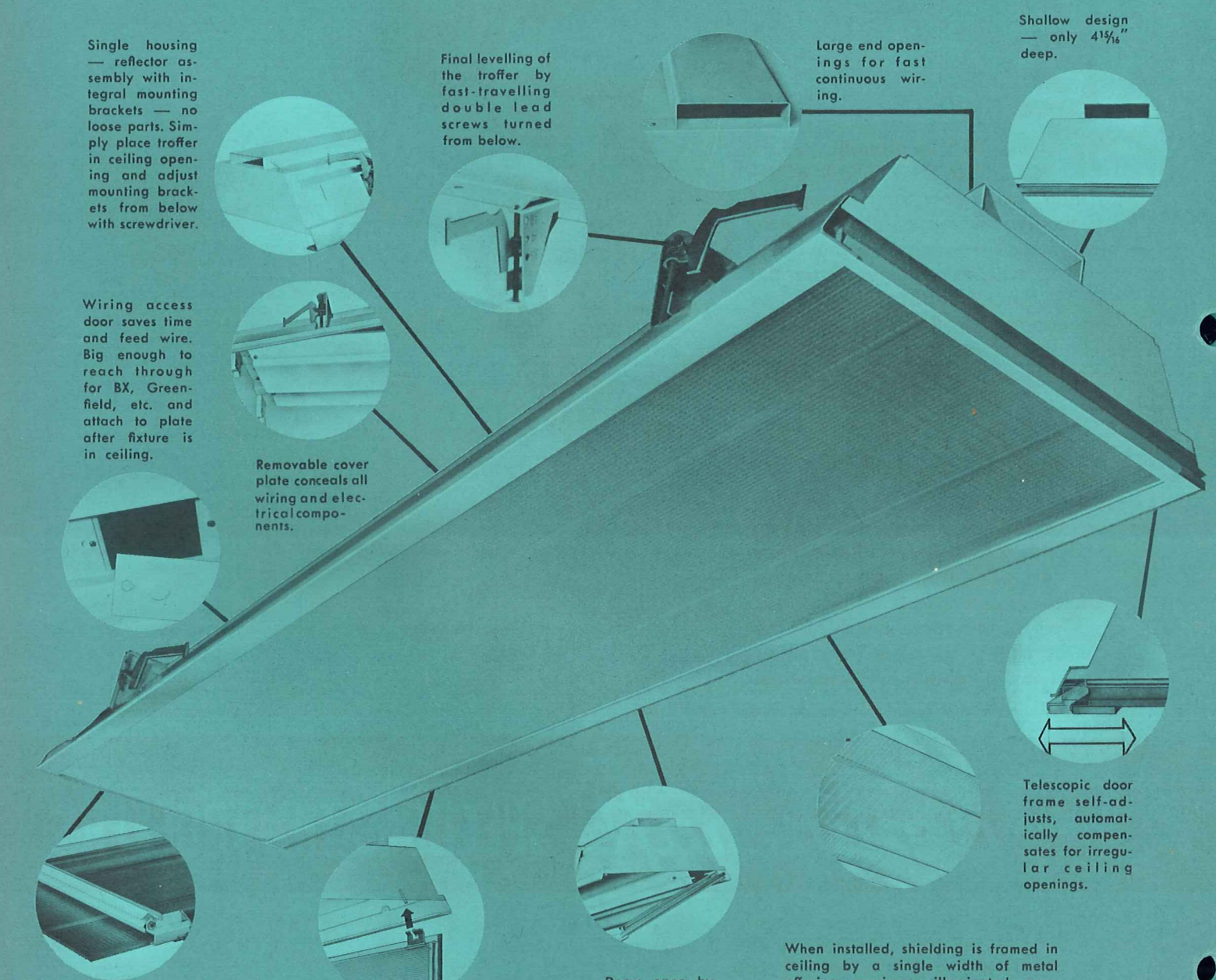
FAST ORDERING! FAST INSTALLATION! FAST MAINTENANCE!

COMBINED WITH A NEW PRECISION IN FINISHED CEILING APPEARANCE

The new series of Smithcraft Speedomatic Troffers have been specifically designed to meet the up-to-date needs of architects, owners and contractors. A new ease of specifying and ordering has been developed, with the use of the Smithcraft Ceiling Index, (See page 7). This index lists all of today's popular ceiling systems, and specifies which of four basic types of Smithcraft Speedomatic Troffer installs perfectly in each ceiling. New Speedomatic Troffers assure architectural precision of installation with the exclusive new telescopic door frame.

Today's fastest-installing troffer, the Smithcraft Speedomatic effects substantial savings — in hours and dollars — for electrical contractors. Maintenance costs for owners are also greatly reduced because of the simplicity and ease of maintenance of Smithcraft Speedomatic Troffers.

We believe the new Smithcraft Speedomatic Troffers go so far beyond any recessed lighting previously available in improvements and refinements that it is literally in a class by itself. Special features of Smithcraft Speedomatic Troffers are listed below.



Single housing — reflector assembly with integral mounting brackets — no loose parts. Simply place troffer in ceiling opening and adjust mounting brackets from below with screwdriver.

Final levelling of the troffer by fast-travelling double lead screws turned from below.

Large end openings for fast continuous wiring.

Shallow design — only $4\frac{15}{16}$" deep.

Wiring access door saves time and feed wire. Big enough to reach through for BX, Greenfield, etc. and attach to plate after fixture is in ceiling.

Removable cover plate conceals all wiring and electrical components.

Telescopic door frame self-adjusts, automatically compensates for irregular ceiling openings.

Rotating door frame end caps permit installation of glass by turning of only one fitting. End caps are self-locking.

Safety-locking door frame hinges. To remove door, just unhook and lift off.

Doors open by simply lifting up, sliding over and lowering.

When installed, shielding is framed in ceiling by a single width of metal offering maximum illuminated area. Door frame is positively held along the entire length of the troffer — assures positive light seal — no mechanical catches.

WHAT ARE THE IMPORTANT FEATURES OF THE NEW SMITHCRAFT SPEEDOMATIC TROFFER?

OF INTEREST TO ARCHITECTS:

1. NEW EXCLUSIVE TELESCOPIC DOOR FRAME

Automatically adjusts to fit ceiling opening. Provides positive light seal.

2. SIMPLICITY ITSELF TO SPECIFY AND ORDER

Four basic types of Smithcraft Speedomatic Troffers fit all of today's popular ceilings. Simply locate the ceiling system desired in Smithcraft's complete Ceiling Index (See page 41) and the basic troffer type is indicated.

3. CLEAN, PRECISE LINES

Single width of door framing offers maximum illuminated area and clean, precise finished ceiling appearance. No visible catches, latches, bolts, hinges or screws. Trim exact lines are maintained by Speedomatic's exclusive telescopic door frame . . . in continuous rows or patterns.

4. RECESSES ONLY 4-15/16"

Saves space, leaves room for other services, offers construction savings.

5. LOW MAINTENANCE COST

Doors open and close without the use of tools or loose parts. Simply lift up, slide over and lower. No mechanical catches.

what's REALLY new about *Smithcraft* SPEEDOMATIC

OF INTEREST TO CONTRACTORS:

6. ONE PIECE ASSEMBLY

No loose parts. Integral mounting brackets adjust to all of today's ceilings requiring hanger mounting. Requires only a screwdriver to adjust.

7. TODAY'S FASTEST-INSTALLING TROFFER

Simply place in ceiling opening and turn fast-traveling levelling screws from below to install.

8. FAST, EASY WIRING

Saves installation costs. Wiring is immediately reached and brought into fixture through *exclusive ACCESS DOOR* after the troffer is in place. Large end openings permit faster continuous wiring of troffer.

9. PERFECT FITTING JOBS EVERY TIME

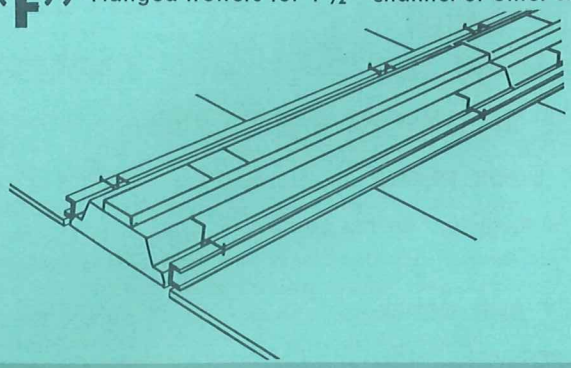
Because of self-adjusting telescopic door frame. No need for adjustments after installation.

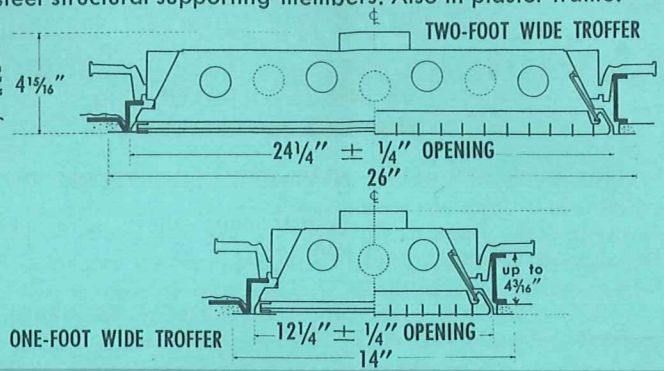
SEE THE COMPLETE SMITHCRAFT CEILING INDEX FORM #C-441 FOR ADAPTABILITY OF THESE FOUR TYPES TO TODAY'S CEILINGS.

TYPE "F"

Flanged troffers for 1 ½" channel or other steel structural supporting members. Also in plaster frame.

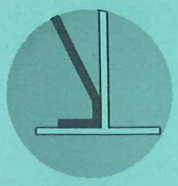


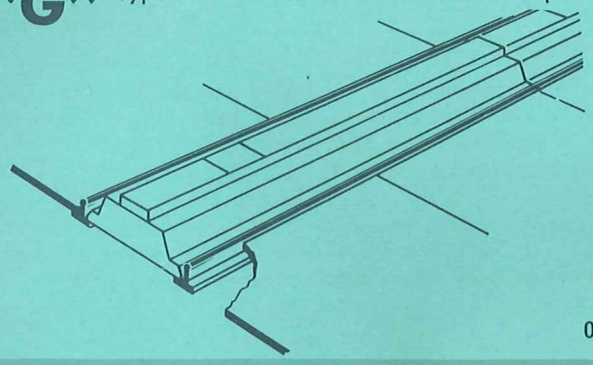


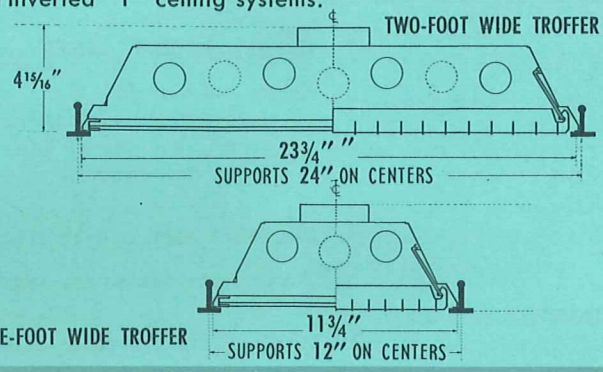


TYPE "G"

Type "G" troffers for installation in exposed inverted "T" ceiling systems.

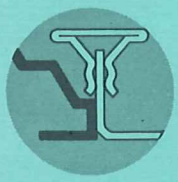


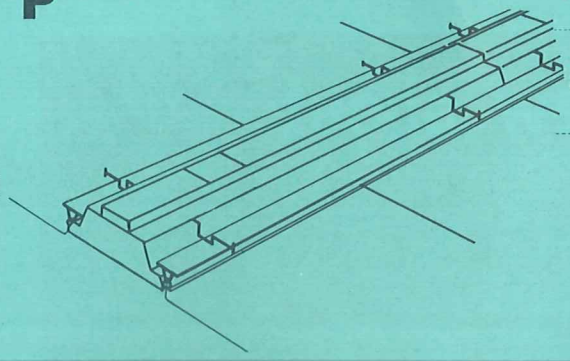


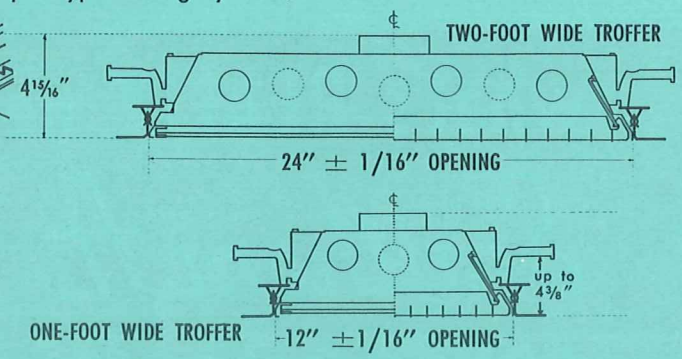


TYPE "P"

Type "P" troffers for installation in metal pan type ceiling systems.

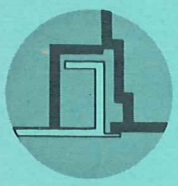




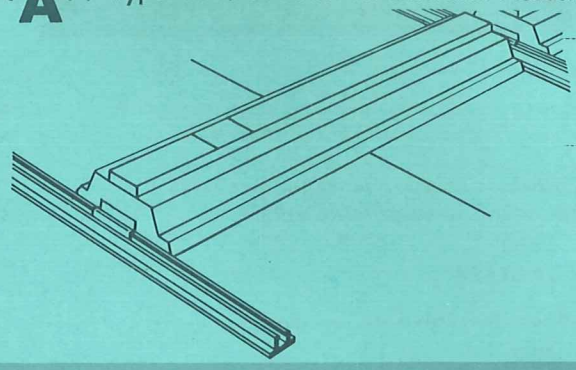


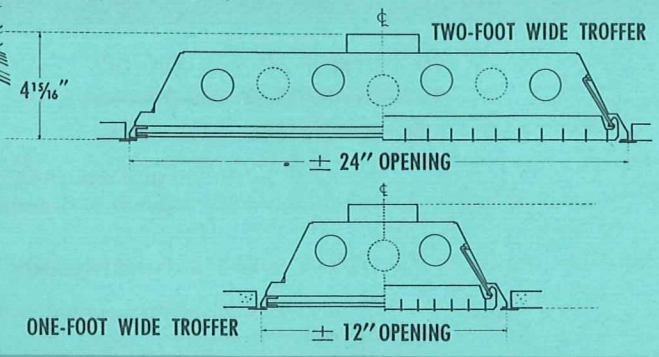
TYPE "A"

Type "A" troffers for installation in Acousti-line type ceiling systems. These troffers are end-mounted.

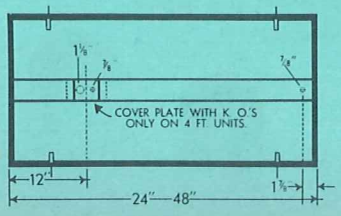


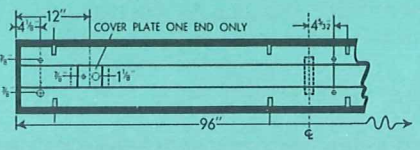
END VIEW

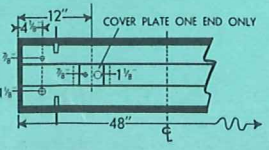




LOCATION OF KNOCKOUTS ON ALL 4 TROFFER TYPES







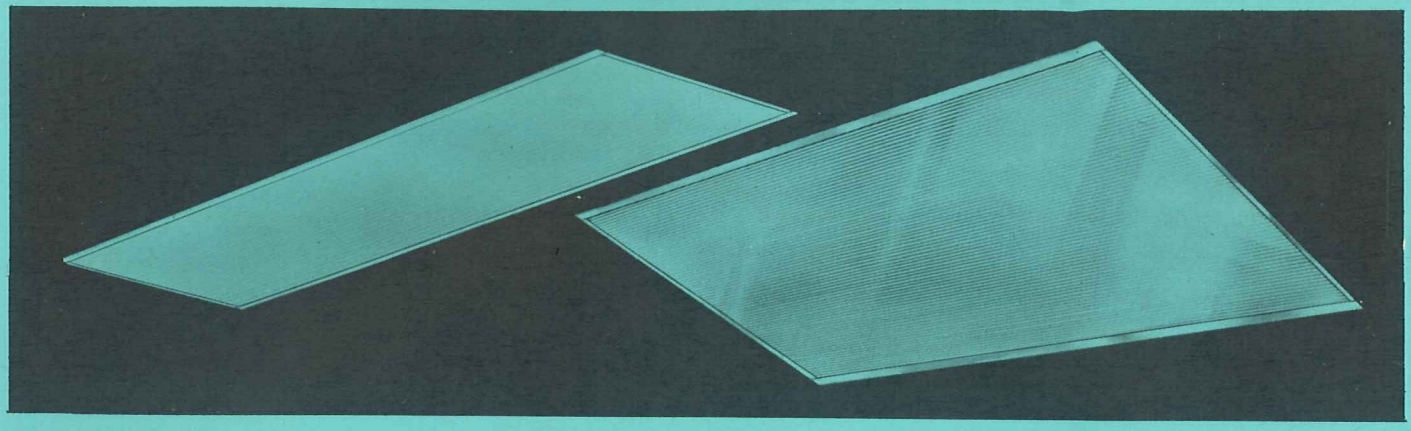
INDEX OF VARIOUS CEILING TYPES
SHOWING APPLICABLE SMITHCRAFT SPEEDOMATIC TROFFER

Ceiling Manufacturer (See notes (1), (2) and (3) at bottom of page)	Speedomatic Troffer Type
ACCESSO SYSTEMS, INC.	
Accesso Suspension System.	F (1)
ACOUSTICS MFG. COMPANY	
Kemp System (T-Clip only)	P
ARMSTRONG ACOUSTICAL CEILINGS	
Nail Channel System	F (1)(2)
Arrestone	P
Exposed Grid	G
T and G	F (1)
H and T	F (1)
Z System	F (1)
BALDWIN HILL	
Panatone B-H	P
BURGESS-MANNING CO.	P
CELOTEX CORPORATION	
Acousti-Line 3¾" panel perpendicular to troffer	A
Acousti-Line 6¾" panel perpendicular to troffer	A
Acousti-Lock Board System	F (2)
Wood Furring	F (2)
Acousteel Metal Pan	P
Steel Acoustic Panels	G
H and T System	F (1)
T and T System	F (1)
CUPPLES PRODUCTS CORPORATION	
Exposed Grid	G
Stripline	G (3)
DONN PRODUCTS, INC.	
D-A Nailing System	F (2)
D-B	G
D-C	F (2)
D-D	F (1)
D-E	F (1)
D-F	G (1)
D-G	F (1)
EASTERN MACHINE PRODUCTS CO.	
Silent Ceiling	P
System A	F (1)
System B	F (1)
System C	F (1)
System E	F (2)
Systems F and G	F (1)
Systems H and T	F (1)
System I	F (1)
System J	F (1)
Systems K and N	G
Systems L and M	G
System R	G
Systems Q and S	G
System U	A
FAMCO DIV., J. A. PHILLIPS, INC.	F (1)
GOLD BOND	
Nail Tite Channel	F (2)
Acousti-Metal Pan	P
J Mechanical System	F (1)
W. J. HAERTEL AND CO.	
Securitee Standard System	F (1)
Securitee ¾" System	F (1)
Securitee 1½" System	F (1)
Securitee H System	F (1)
Securitee Line System (exposed)	G
Securitee Line System (concealed)	F (1)
Securitee T and G System	F (1)
Jackson System	F (2)
Securitee Pan (3¾" pan perpendicular to troffer)	A
Securitee Pan (6¾" pan perpendicular to troffer)	A
JOHNS-MANVILLE SALES CORPORATION	
Sanacoustic System	P
Runner Strip	A
H and T System	F (1)
Z and L System	F (1)
T and T	F (1)
Z-Bar (concealed)	F (1)
U-Channel	F (1)
KELLY MFG. COMPANY	
Z-Bar (exposed)	G
H System	F (1)
Z-Bar (concealed)	F (1)
C System	F (1)
LOK PRODUCTS	
Drive-Lok T-15	G
Drive-Lok T-20	G
LOXIT SYSTEMS	F (1)
NATIONAL GYPSUM COMPANY	
System J (exposed)	G
System J (concealed)	F (1)
Nailtite	F (2)
Acoustimetal T-Bar	P
PLASTER CEILINGS	
With Smithcraft Plaster Frame for plaster up to ⅝" thick or for acoustical plaster up to 1¼" thick	F
S. H. POMEROY CO.	F (2)
REYNOLDS METAL COMPANY.	G
ROLLFORM, INC.	
Metal Pan	P
Exposed Tee	G
Nail Track	F (2)
SANYMETAL PRODUCTS, INC.	
Nailock	F (2)
Screwlock	F (2)
Perf-A-Best	F (2)
SIMPLEX CEILING CORP.	P
SIMPSON LOGGING COMPANY	
Acoustica Adhesive	F (2)
Inverted T	G
Metal Acoustical	P
H and T	F (1)
TACH-FAST MFG. COMPANY	
H and T	F (1)
T and G	F (1)
Z-spline	F (1)
Nail-Bar	F (2)
2700 Series A-B-C-D-E	G
U. S. GYPSUM COMPANY	
E-Z-S	G
Board Nailing	F (2)
Perfatone	P
Z-Spline	F (1)
WHEELING STEEL COMPANY	
Nail Channel	F (2)
Tee Bar	P
H and T	F (1)
WHITLOCK CORPORATION	F (1)

NOTES:
(1) 1½" Channel to be parallel to fixture.
(2) Allow 12" clearance within Troffer opening.
(3) Use an ACL-4 cross tee at end of fixture.

ALBALITE "93" GLASS

A light opal glass, Albalite presents a pleasing appearance which will enhance and harmonize with its surroundings. High light transmission and low light absorption.



ONE-FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
FOR RAPID-START BI-PIN LAMPS					
1FA2-20	2 F20T12	20	$26.40	$22.00	
1FA2-40	2 F40T12RS	35	35.10	29.25	
1FA2-42	4 F40T12RS*	69	66.98	55.81	
1FA3-40	3 F40T12RS	40	45.30	37.75	
1FA3-42	6 F40T12RS*	74	80.33	66.94	
FOR SLIMLINE LAMPS					
1FA2-96	2 F96T12	67	63.45	52.88	
1FA3-96	3 F96T12	75	80.33	66.94	
TYPE P (FOR METAL PAN CEILINGS)					
FOR RAPID-START BI-PIN LAMPS					
1PA2-20	2 F20T12	19	26.40	22.00	
1PA2-40	2 F40T12RS	32	35.10	29.25	
1PA2-42	4 F40T12RS*	64	66.98	55.81	
1PA3-40	3 F40T12RS	36	45.30	37.75	
1PA3-42	6 F40T12RS*	68	80.33	66.94	
FOR SLIMLINE LAMPS					
1PA2-96	2 F96T12	62	63.45	52.88	
1PA3-96	3 F96T12	70	80.33	66.94	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
FOR RAPID-START BI-PIN LAMPS					
1GA2-40	2 F40T12RS	32	34.28	28.56	
1GA3-40	3 F40T12RS	36	44.55	37.13	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
FOR RAPID-START BI-PIN LAMPS					
1AA2-40	2 F40T12RS	35	35.10	29.25	
1AA3-40	3 F40T12RS	40	45.30	37.75	

***All 2-42 and 3-42 units are furnished with 8′ housings.**

One-foot wide troffers are available on special order in the following units:

In 2-foot lengths for 3 F20T12 lamps.
In 3-foot lengths for 2 & 3 F30T12 lamps.
In 6-foot lengths for 2 & 3 F72T12 lamps.
In single lamp units for one 4′ Rapid-Start or for one 8′ Slimline lamp.

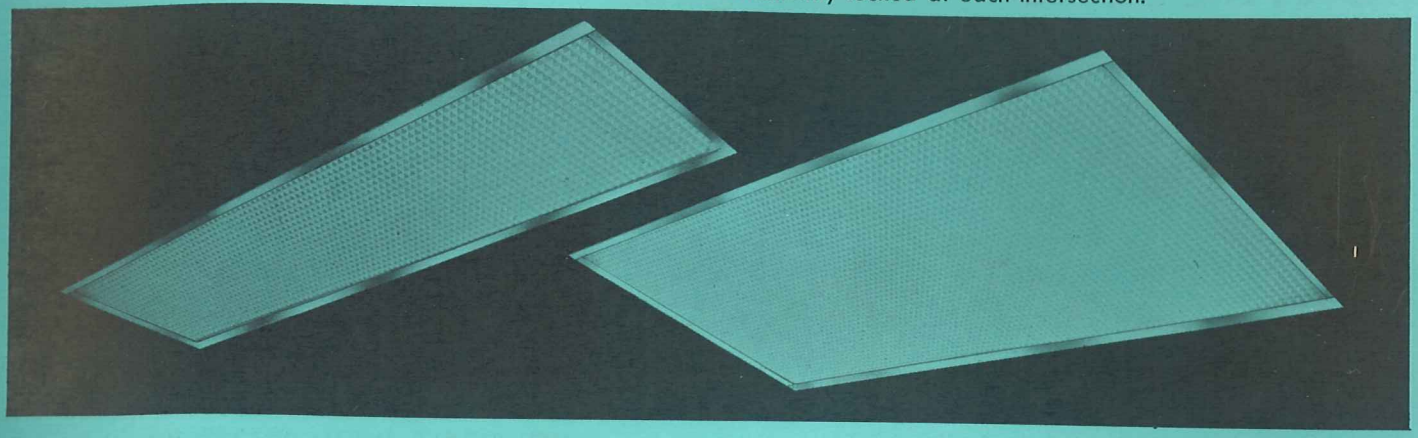
TWO-FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2FA2-20	2 F20T12	31	$34.65	$28.88	
2FA3-20	3 F20T12	35	40.20	33.50	
2FA4-20	4 F20T12	36	42.53	35.44	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2FA2-40	2 F40T12RS	51	48.83	40.69	
2FA3-40	3 F40T12RS	56	58.29	48.56	
2FA4-40	4 F40T12RS	57	60.68	50.56	
TYPE P (FOR METAL PAN CEILINGS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2PA2-20	2 F20T12	30	31.13	25.94	
2PA3-20	3 F20T12	34	36.68	30.56	
2PA4-20	4 F20T12	36	39.00	32.50	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2PA2-40	2 F40T12RS	49	48.08	40.06	
2PA3-40	3 F40T12RS	54	57.53	47.94	
2PA4-40	4 F40T12RS	55	59.85	49.88	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2GA2-20	2 F20T12	30	29.93	24.94	
2GA3-20	3 F20T12	34	35.48	29.56	
2GA4-20	4 F20T12	36	37.80	31.50	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID START BI-PIN LAMPS					
2GA2-40	2 F40T12RS	49	47.25	39.38	
2GA3-40	3 F40T12RS	55	56.70	47.25	
2GA4-40	4 F40T12RS	54	59.10	49.25	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2AA2-40	2 F40T12RS	51	48.08	40.06	
2AA3-40	3 F40T12RS	56	57.53	47.94	
2AA4-40	4 F40T12RS	57	59.85	49.88	

CUBEX LOUVERS

(45° x 45° SHIELDING)

Cubex ½" x ½" x ½" aluminum louvers provide 45° x 45° shielding. Finished in non-specular baked white enamel. Permanently locked at each intersection.



ONE-FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
FOR RAPID-START BI-PIN LAMPS					
1FCL2-20	2 F20T12	17	$27.98	$23.31	
1FCL2-40	2 F40T12RS	28	36.15	30.13	
1FCL2-42	4 F40T12RS*	55	69.30	57.75	
1FCL3-40	3 F40T12RS	35	45.68	38.06	
1FCL3-42	6 F40T12RS*	64	83.10	69.25	
FOR SLIMLINE LAMPS					
1FCL2-96	2 F96T12	57	66.98	55.81	
1FCL3-96	3 F96T12	60	82.35	68.63	
TYPE P (FOR METAL PAN CEILINGS)					
FOR RAPID-START BI-PIN LAMPS					
1PCL2-20	2 F20T12	16	27.98	23.31	
1PCL2-40	2 F40T12RS	25	36.15	30.13	
1PCL2-42	4 F40T12RS*	50	69.30	57.75	
1PCL3-40	3 F40T12RS	32	45.68	38.06	
1PCL3-42	6 F40T12RS*	59	83.10	69.25	
FOR SLIMLINE LAMPS					
1PCL2-96	2 F96T12	52	66.98	55.81	
1PCL3-96	3 F96T12	55	82.35	68.63	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
FOR RAPID-START BI-PIN LAMPS					
1GCL2-40	2 F40T12RS	25	35.10	29.25	
1GCL3-40	3 F40T12RS	32	44.93	37.44	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
FOR RAPID-START BI-PIN LAMPS					
1ACL2-40	2 F40T12RS	28	36.15	30.13	
1ACL3-40	3 F40T12RS	35	45.68	38.06	

*** All 2-42 and 3-42 units are furnished with 8′ housings.**

One-foot and two-foot wide troffers with Fiberglas Polarizing Light Panels are available on special order and price.

Troffer costs are easy to figure. Select troffer type and desired shielding. Multiply unit prices by number of troffers and you have the total cost. Includes everything required.

TWO-FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2FCL4-20	4 F20T12	31	$44.93	$37.44	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2FCL4-40	4 F40T12RS	49	65.03	54.19	
TYPE P (FOR METAL PAN CEILINGS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2PCL4-20	4 F20T12	30	41.40	34.50	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2PCL4-40	4 F40T12RS	47	64.20	53.50	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2GCL4-20	4 F20T12	30	40.20	33.50	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2GCL4-40	4 F40T12RS	47	63.45	52.88	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2ACL4-40	4 F40T12RS	49	64.20	53.50	

20-watt Troffers are furnished with Normal Power Trigger-Start Ballasts. They may be supplied with High Power Factor Ballasts on special order and price.

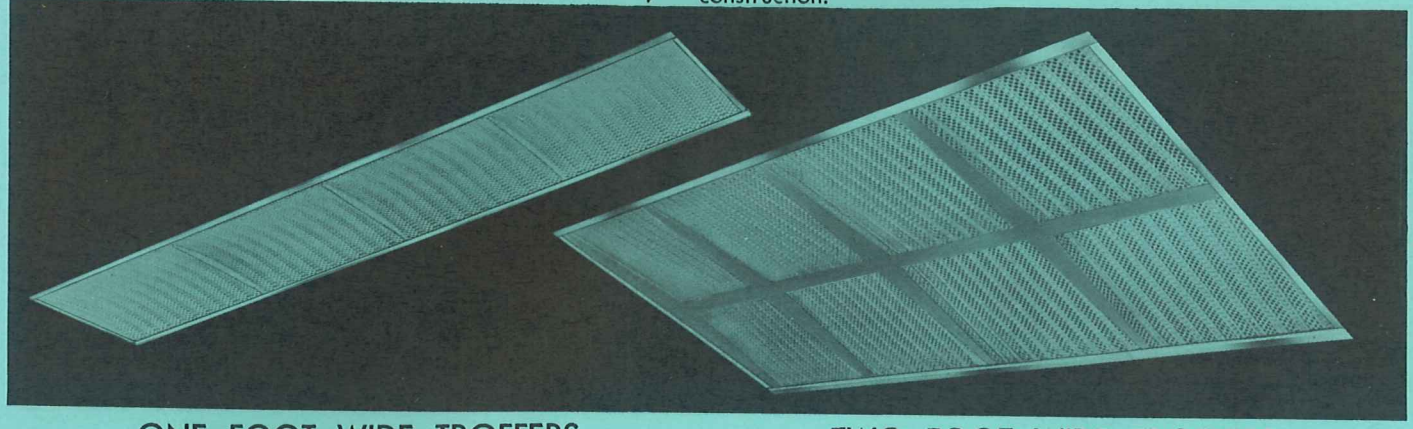
One-foot wide troffers are available on special order in the following units:

In 2-foot lengths for 3 F20T12 lamps.
In 3-foot lengths for 2 & 3 F30T12 lamps.
In 6-foot lengths for 2 & 3 F72T12 lamps.
In single lamp units for one 4′ Rapid-Start or for one 8′ Slimline lamp.

HOLOPHANE PRISMALUME CONTROLENS® #6010 #6025

Lightweight, shatterproof one-piece 4-foot length of crystal acrylic plastic. Maximum illumination with no discoloration—no sag.

Provides both longitudinal and transverse light control, resulting in glare-free illumination and absence of shadows. Prismatic construction.



ONE–FOOT WIDE TROFFERS
(Holophane Controlens® #6010)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
FOR RAPID-START BI-PIN LAMPS					
1FHL2-40	2 F40T12RS	32	**$48.83**	**$40.69**	
1FHL2-42	4 F40T12RS*	64	**94.50**	**78.75**	
1FHL3-40	3 F40T12RS	37	**58.28**	**48.56**	
1FHL3-42	6 F40T12RS*	69	**106.73**	**88.94**	
FOR SLIMLINE LAMPS					
1FHL2-96	2 F96T12	62	**94.50**	**78.75**	
1FHL3-96	3 F96T12	90	**106.73**	**88.94**	
TYPE P (FOR METAL PAN CEILINGS)					
FOR RAPID-START BI-PIN LAMPS					
1PHL2-40	2 F40T12RS	30	**48.83**	**40.69**	
1PHL2-42	4 F40T12RS*	59	**94.50**	**78.75**	
1PHL3-40	3 F40T12RS	34	**58.28**	**48.56**	
1PHL3-42	6 F40T12RS*	63	**106.73**	**88.94**	
FOR SLIMLINE LAMPS					
1PHL2-96	2 F96T12	57	**94.50**	**78.75**	
1PHL3-96	3 F96T12	65	**106.73**	**88.94**	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
FOR RAPID-START BI-PIN LAMPS					
1GHL2-40	2 F40T12RS	30	**48.08**	**40.06**	
1GHL3-40	3 F40T12RS	34	**57.53**	**47.94**	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
FOR RAPID-START BI-PIN LAMPS					
1AHL2-40	2 F40T12RS	32	**48.83**	**40.69**	
1AHL3-40	3 F40T12RS	37	**58.28**	**48.56**	

*All 2-42 and 3-42 units are furnished with 8′ housings.

One-foot wide troffers are available on special order in the following units:

In 2-foot lengths for 3 F20T12 lamps.
In 3-foot lengths for 2 & 3 F30T12 lamps.
In 6-foot lengths for 2 & 3 F72T12 lamps.
In single lamp units for one 4′ Rapid-Start or for one 8′ Slimline lamp.

One-foot and two-foot wide troffers with Fiberglas Polarizing Light Panels are available on special order and price.

TWO–FOOT WIDE TROFFERS
(Holophane Controlens® #6025)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2FH2-20	2 F20T12	27	**$47.25**	**$39.38**	
2FH4-20	4 F20T12	32	**55.58**	**46.31**	
2-FOOT WIDE x 4-FOOT LONG					
2FH2-40	2 F40T12RS	41	**74.03**	**61.69**	
2FH4-40	4 F40T12RS	47	**85.88**	**71.56**	
TYPE P (FOR METAL PAN CEILINGS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2PH2-20	2 F20T12	26	**43.73**	**36.44**	
2PH4-20	4 F20T12	31	**51.98**	**43.31**	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2PH2-40	2 F40T12RS	39	**73.28**	**61.06**	
2PH4-40	4 F40T12RS	45	**85.05**	**70.88**	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2GH2-20	2 F20T12	26	**42.53**	**35.44**	
2GH4-20	4 F20T12	31	**50.85**	**42.38**	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2GH2-40	2 F40T12RS	39	**72.45**	**60.38**	
2GH4-40	4 F40T12RS	45	**84.30**	**70.25**	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2AH2-40	2 F40T12RS	41	**73.28**	**61.06**	
2AH4-40	4 F40T12RS	47	**85.05**	**70.88**	

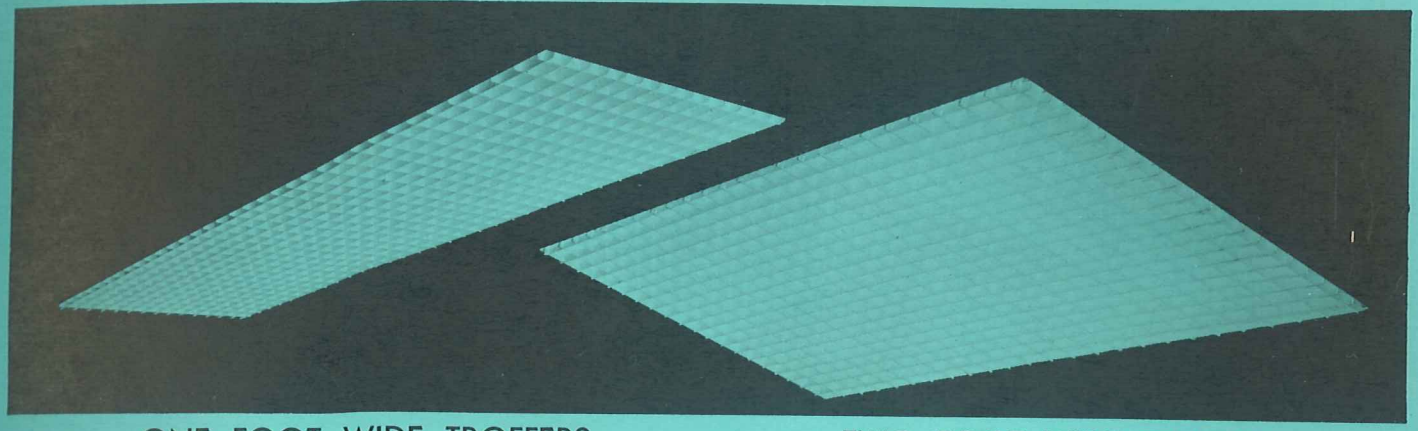
20-watt Troffers are furnished with Normal Power Trigger-Start Ballasts. They may be supplied with High Power Factor Ballasts on special order and price.

Troffer costs are easy to figure. Select troffer type and desired shielding. Multiply unit prices by number of troffers and you have the total cost. Includes everything required.

®Holophane Company, Inc.

STEEL LOUVERS

Provide 40° x 40° shielding (30° x 30° shielding in two-foot wide troffers) in architecturally interesting new pattern. Permanently welded at each intersection. Hinge from either side on SMITHCRAFT patented Duo-Cam hangers. Open and close with fingertip pressure.



ONE–FOOT WIDE TROFFERS
40° x 40° SHIELDING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
FOR RAPID-START BI-PIN LAMPS					
1FSL2-20	2 F20T12	20	$27.23	$22.69	
1FSL2-40	2 F40T12RS	35	33.08	27.56	
1FSL2-42	4 F40T12RS*	68	63.00	52.50	
1FSL3-40	3 F40T12RS	40	42.53	35.44	
1FSL3-42	6 F40T12RS*	70	74.85	62.38	
FOR SLIMLINE LAMPS					
1FSL2-96	2 F96T12	62	59.48	49.56	
1FSL3-96	3 F96T12	70	74.85	62.38	
TYPE P (FOR METAL PAN CEILINGS)					
FOR RAPID-START BI-PIN LAMPS					
1PSL2-20	2 F20T12	19	27.23	22.69	
1PSL2-40	2 F40T12RS	32	33.08	27.56	
1PSL2-42	4 F40T12RS*	63	63.00	52.50	
1PSL3-40	3 F40T12RS	37	42.53	35.44	
1PSL3-42	6 F40T12RS*	65	74.85	62.38	
FOR SLIMLINE LAMPS					
1PSL2-96	2 F96T12	57	59.48	49.56	
1PSL3-96	3 F96T12	65	74.85	62.38	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
FOR RAPID-START BI-PIN LAMPS					
1GSL2-40	2 F40T12RS	32	32.33	26.94	
1GSL3-40	3 F40T12RS	37	41.78	34.81	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
FOR RAPID-START BI-PIN LAMPS					
1ASL2-40	2 F40T12RS	35	33.08	27.56	
1ASL3-40	3 F40T12RS	40	42.53	35.44	

*All 2-42 and 3-42 units are furnished with 8′ housings.

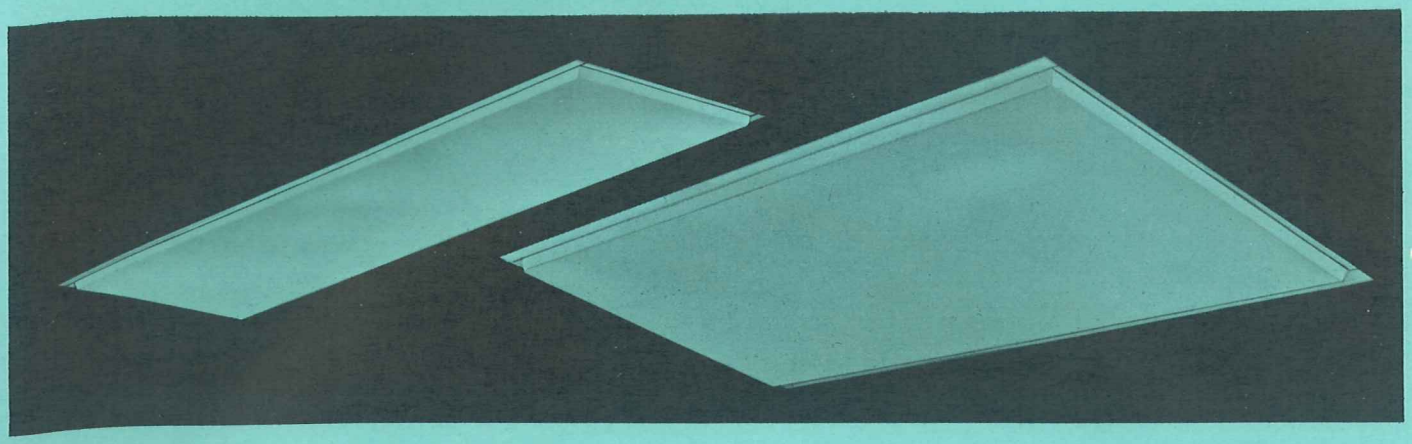
One-foot wide troffers are available on special order in the following units:
In 2-foot lengths for 3 F20T12 lamps.
In 3-foot lengths for 2 & 3 F30T12 lamps.
In 6-foot lengths for 2 & 3 F72T12 lamps.
In single lamp units for one 4′ Rapid-Start or for one 8′ Slimline lamp.

TWO–FOOT WIDE TROFFERS
30° x 30° SHIELDING

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2FSL2-20	2 F20T12	27	$34.50	$28.75	
2FSL3-20	3 F20T12	29	41.25	34.38	
2FSL4-20	4 F20T12	30	43.35	36.13	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2FSL2-40	2 F40T12RS	47	47.63	39.69	
2FSL3-40	3 F40T12RS	53	56.70	47.25	
2FSL4-40	4 F40T12RS	53	58.28	48.56	
TYPE P (FOR METAL PAN CEILINGS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2PSL2-20	2 F20T12	26	31.50	26.25	
2PSL3-20	3 F20T12	28	38.25	31.88	
2PSL4-20	4 F20T12	29	40.35	33.63	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2PSL2-40	2 F40T12RS	45	46.88	39.06	
2PSL3-40	3 F40T12RS	51	55.95	46.63	
2PSL4-40	4 F40T12RS	51	57.53	47.94	
TYPE G FOR EXPOSED INVERTED "T" SYSTEMS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2GSL2-20	2 F20T12	26	30.00	25.00	
2GSL3-20	3 F20T12	28	36.75	30.63	
2GSL4-20	4 F20T12	29	38.63	32.19	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2GSL2-40	2 F40T12RS	45	46.13	38.44	
2GSL3-40	3 F40T12RS	51	55.20	46.00	
2GSL4-40	4 F40T12RS	51	56.78	47.31	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2ASL2-40	2 F40T12RS	47	46.88	39.06	
2ASL3-40	3 F40T12RS	53	55.95	46.63	
2ASL4-40	4 F40T12RS	53	57.53	47.94	

POLYSTYRENE PLASTIC DISH

One-piece plastic dish in hinged door frame. High impact strength. Break resistance and light stability after prolonged use.



ONE–FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
FOR RAPID-START BI-PIN LAMPS					
1FPD2-40	2 F40T12RS	31	$34.65	$28.88	
1FPD2-42	4 F40T12RS*	61	66.15	55.13	
1FPD3-40	3 F40T12RS	36	44.55	37.13	
1FPD3-42	6 F40T12RS*	66	78.75	65.63	
FOR SLIMLINE LAMPS					
1FPD2-96	2 F96T12	59	66.60	55.50	
1FPD3-96	3 F96T12	67	80.33	66.94	
TYPE P (FOR METAL PAN CEILINGS)					
FOR RAPID-START BI-PIN LAMPS					
1PPD2-40	2 F40T12RS	28	34.65	28.88	
1PPD2-42	4 F40T12RS*	56	66.15	55.13	
1PPD3-40	3 F40T12RS	32	44.55	37.13	
1PPD3-42	6 F40T12RS*	60	78.75	65.63	
FOR SLIMLINE LAMPS					
1PPD2-96	2 F96T12	54	66.60	55.50	
1PPD3-96	3 F96T12	62	80.33	66.94	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
FOR RAPID-START BI-PIN LAMPS					
1GPD2-40	2 F40T12RS	28	33.90	28.25	
1GPD3-40	3 F40T12RS	32	43.73	36.44	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
FOR RAPID-START BI-PIN LAMPS					
1APD2-40	2 F40T12RS	31	34.65	28.88	
1APD3-40	3 F40T12RS	36	44.55	37.13	

*All 2-42 and 3-42 units are furnished with 8′ housings.

20-watt Troffers are furnished with Normal Power Trigger-Start Ballasts. They may be supplied with High Power Factor Ballasts on special order and price.

TWO–FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2FPD2-20	2 F20T12	25	$35.10	$29.25	
2FPD3-20	3 F20T12	30	41.40	34.50	
2FPD4-20	4 F20T12	31	43.73	36.44	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2FPD2-40	2 F40T12RS	40	49.28	41.06.	
2FPD3-40	3 F40T12RS	45	58.73	48.94	
2FPD4-40	4 F40T12RS	46	61.05	50.88	
TYPE P (FOR METAL PAN CEILINGS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2PPD2-20	2 F20T12	24	31.50	26.25	
2PPD3-20	3 F20T12	29	37.80	31.50	
2PPD4-20	4 F20T12	30	40.20	33.50	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2PPD2-40	2 F40T12RS	38	48.45	40.38	
2PPD3-40	3 F40T12RS	43	57.90	48.25	
2PPD4-40	4 F40T12RS	44	60.30	50.25	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2GPD2-20	2 F20T12	24	30.38	25.31	
2GPD3-20	3 F20T12	29	36.68	30.56	
2GPD4-20	4 F20T12	30	39.00	32.50	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2GPD2-40	2 F40T12RS	38	47.70	39.75	
2GPD3-40	3 F40T12RS	43	57.15	47.63	
2GPD4-40	4 F40T12RS	44	59.48	49.56	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2APD2-40	2 F40T12RS	40	48.45	40.38	
2APD3-40	3 F40T12RS	45	57.90	48.25	
2APD4-40	4 F40T12RS	46	60.30	50.25	

STIC LOUVERS

(45° x 45° SHIELDING)

Plastic louvers provide shadowless illumination. Strong, lightweight and easy to handle. Contained in hinged door frame.



ONE-FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
	TYPE F (FLANGED TROFFERS)				
	FOR RAPID-START BI-PIN LAMPS				
1FPL2-20	2 F20T12	18	$28.35	$23.63	
1FPL2-40	4 F40T12RS	31	34.65	28.88	
1FPL2-42	3 F40T12RS*	61	66.15	55.13	
1FPL3-40	6 F40T12RS	36	44.55	37.13	
1FPL3-42	6 F40T12RS*	66	78.75	65.63	
1FPL2-96	**FOR SLIMLINE LAMPS**				
1FPL3-96	2 F96T12	59	62.63	52.19	
	3 F96T12	67	78.75	65.63	
	TYPE P (FOR METAL PAN CEILINGS)				
	FOR RAPID-START BI-PIN LAMPS				
1PPL2-20	2 F20T12	17	28.35	23.63	
1PPL2-40	4 F40T12RS	28	34.65	28.88	
1PPL2-42	3 F40T12RS*	56	66.15	55.13	
1PPL3-40	6 F40T12RS	32	44.55	37.13	
1PPL3-42	6 F40T12RS*	60	78.75	65.63	
1PPL2-96	**FOR SLIMLINE LAMPS**				
1PPL3-96	2 F96T12	54	62.63	52.19	
	3 F96T12	62	78.75	65.63	
	TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)				
	FOR RAPID-START BI-PIN LAMPS				
1GPL2-40	2 F40T12RS	28	33.90	28.25	
1GPL3-40	3 F40T12RS	32	43.73	36.44	
	TYPE A (For Acousti-Line Type Ceilings—End Mounted)				
	FOR RAPID-START BI-PIN LAMPS				
1APL2-40	2 F40T12RS	31	34.65	28.88	
1APL3-40	3 F40T12RS	36	44.55	37.13	

*All 2-42 and 3-42 units are furnished with 8′ housings.

One-foot and two-foot wide troffers with Fiberglas Polarizing Light Panels are available on special order and price.

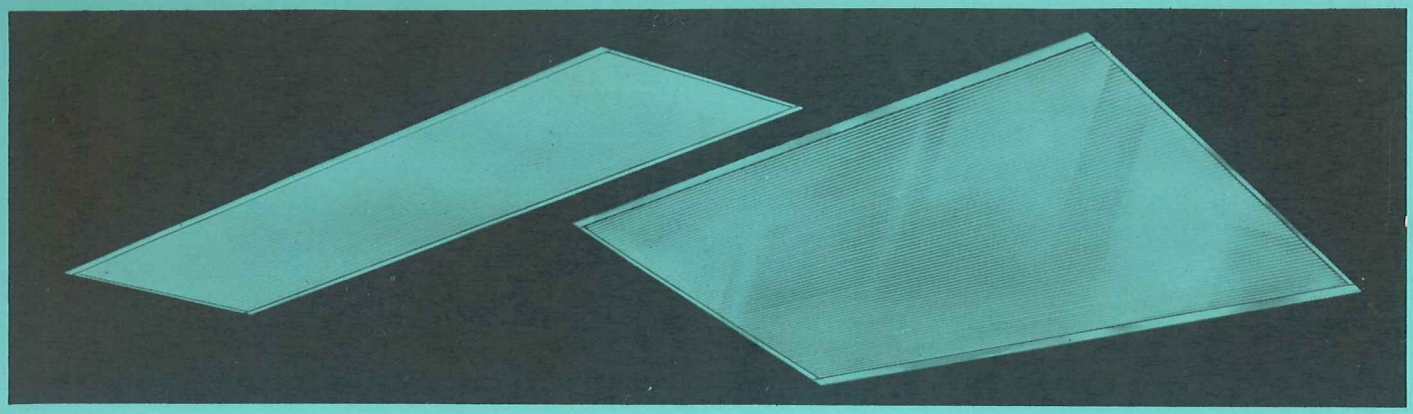
20-watt Troffers are furnished with Trigger-Start Ballasts. Normal power they may be supplied with High Power Factor Ballasts on special order and price.

TWO-FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
	TYPE F (FLANGED TROFFERS)				
	2-FOOT WIDE x 2-FOOT LONG TRIGGER-START				
2FPL2-20	2 F20T12	26	$37.05	$30.88	
2FPL3-20	3 F20T12	31	41.40	34.50	
2FPL4-20	4 F20T12	32	43.73	36.44	
	2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS				
2FPL2-40	2 F40T12RS	43	48.83	40.69	
2FPL3-40	3 F40T12RS	48	57.53	47.94	
2FPL4-40	4 F40T12RS	49	59.10	49.25	
	TYPE P (FOR METAL PAN CEILINGS)				
	2-FOOT WIDE x 2-FOOT LONG TRIGGER-START				
2PPL2-20	2 F20T12	25	33.53	27.94	
2PPL3-20	3 F20T12	30	37.80	31.50	
2PPL4-20	4 F20T12	31	40.20	33.50	
	2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS				
2PPL2-40	2 F40T12RS	41	48.08	40.06	
2PPL3-40	3 F40T12RS	46	56.70	47.25	
2PPL4-40	4 F40T12RS	47	58.28	48.56	
	TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)				
	2-FOOT WIDE x 2-FOOT LONG TRIGGER-START				
2GPL2-20	2 F20T12	25	32.33	26.94	
2GPL3-20	3 F20T12	30	36.68	30.56	
2GPL4-20	4 F20T12	31	39.00	32.50	
	2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS				
2GPL2-40	2 F40T12RS	41	47.25	39.38	
2GPL3-40	3 F40T12RS	46	55.95	46.63	
2GPL4-40	4 F40T12RS	47	57.53	47.94	
	TYPE A (For Acousti-Line Type Ceilings—End Mounted)				
	2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS				
2APL2-40	2 F40T12RS	43	48.08	40.06	
2APL3-40	3 F40T12RS	48	56.70	47.25	
2APL4-40	4 F40T12RS	49	58.28	48.56	

RIBBED SKYTEX GLASS

Provides good light transmission and high light diffusion. Ribbed pattern, 8 ribs to the inch.



ONE–FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
FOR RAPID-START BI-PIN LAMPS					
1FR2-20	2 F20T12	20	$27.98	$23.31	
1FR2-40	2 F40T12RS	35	33.08	27.56	
1FR2-42	4 F40T12RS*	69	63.00	52.50	
1FR3-40	3 F40T12RS	40	42.98	35.81	
1FR3-42	6 F40T12RS*	74	75.60	63.00	
FOR SLIMLINE LAMPS					
1FR2-96	2 F96T12	67	59.48	49.56	
1FR3-96	3 F96T12	75	75.60	63.00	
TYPE P (FOR METAL PAN CEILINGS)					
FOR RAPID-START BI-PIN LAMPS					
1PR2-20	2 F20T12	19	27.98	23.31	
1PR2-40	2 F40T12RS	32	33.08	27.56	
1PR2-42	4 F40T12RS*	64	63.00	52.50	
1PR3-40	3 F40T12RS	36	42.98	35.81	
1PR3-42	6 F40T12RS*	68	75.60	63.00	
FOR SLIMLINE LAMPS					
1PR2-96	2 F96T12	62	59.48	49.56	
1PR3-96	3 F96T12	70	75.60	63.00	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
FOR RAPID-START BI-PIN LAMPS					
1GR2-40	2 F40T12RS	32	32.33	26.94	
1GR3-40	3 F40T12RS	36	42.15	35.13	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
FOR RAPID-START BI-PIN LAMPS					
1AR2-40	2 F40T12RS	35	33.08	27.56	
1AR3-40	3 F40T12RS	40	42.98	35.81	

*All 2-42 and 3-42 units are furnished with 8′ housings.

20-watt Troffers are furnished with Normal Power Trigger-Start Ballasts. They may be supplied with High Power Factor Ballasts on special order and price.

One-foot wide troffers are available on special order in the following units:

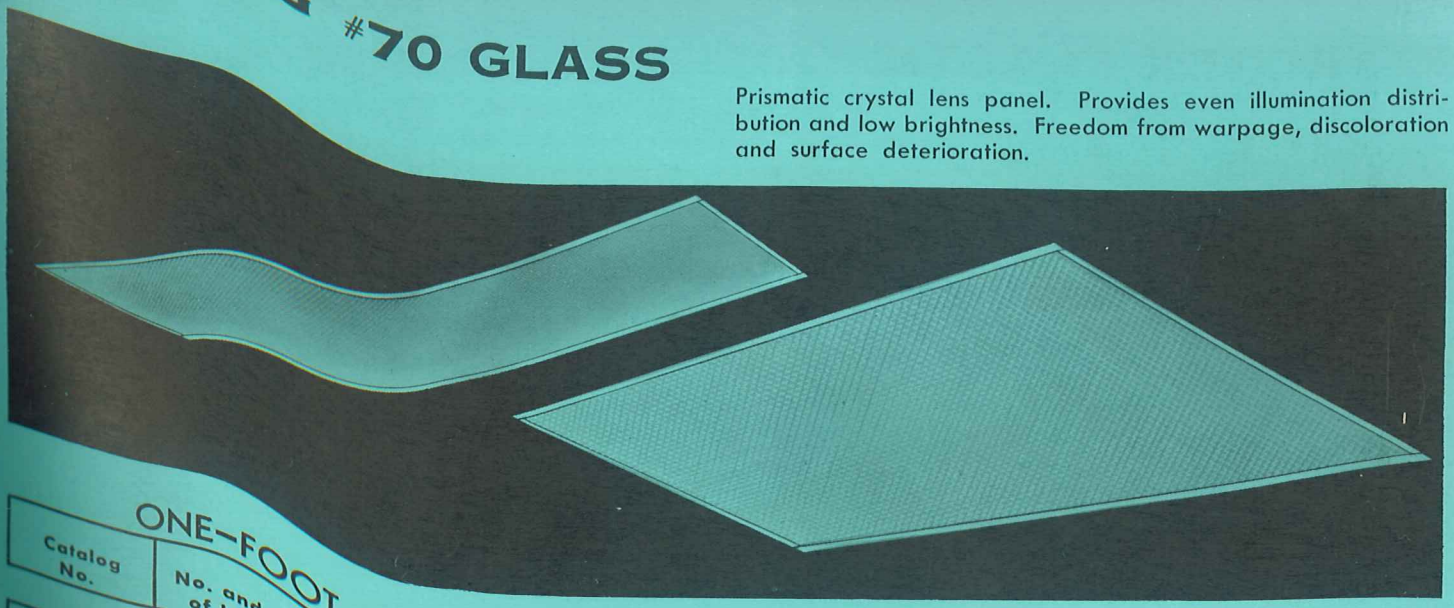
In 2-foot lengths for 3 F20T12 lamps.
In 3-foot lengths for 2 & 3 F30T12 lamps.
In 6-foot lengths for 2 & 3 F72T12 lamps.
In single lamp units for one 4′ Rapid-Start or for one 8′ Slimline lamp.

TWO–FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2FR2-20	2 F20T12	31	$34.28	$28.56	
2FR3-20	3 F20T12	35	40.58	33.81	
2FR4-20	4 F20T12	36	42.98	35.81	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2FR2-40	2 F40T12RS	51	46.88	39.06	
2FR3-40	3 F40T12RS	56	56.33	46.94	
2FR4-40	4 F40T12RS	57	58.73	48.94	
TYPE P (FOR METAL PAN CEILINGS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2PR2-20	2 F20T12	30	30.75	25.63	
2PR3-20	3 F20T12	34	37.05	30.88	
2PR4-20	4 F20T12	35	39.38	32.81	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2PR2-40	2 F40T12RS	49	46.13	38.44	
2PR3-40	3 F40T12RS	54	55.58	46.31	
2PR4-40	4 F40T12RS	55	57.90	48.25	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2GR2-20	2 F20T12	30	29.55	24.63	
2GR3-20	3 F20T12	34	35.85	29.88	
2GR4-20	4 F20T12	35	38.25	31.88	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2GR2-40	2 F40T12RS	49	45.30	37.75	
2GR3-40	3 F40T12RS	54	54.75	45.63	
2GR4-40	4 F40T12RS	55	57.15	47.63	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2AR2-40	2 F40T12RS	51	46.13	38.44	
2AR3-40	3 F40T12RS	56	55.58	46.31	
2AR4-40	4 F40T12RS	57	57.90	48.25	

#70 GLASS

Prismatic crystal lens panel. Provides even illumination distribution and low brightness. Freedom from warpage, discoloration and surface deterioration.



ONE-FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
	TYPE F (FLANGED TROFFERS) FOR RAPID-START BI-PIN LAMPS				
1FS2-20	2 F20T12	20	$28.35	$23.63	
1FS2-40	2 F40T12RS	35	39.38	32.81	
1FS2-42	4 F40T12RS	69	75.60	63.00	
1FS3-40	3 F40T12RS*	40	49.65	41.38	
1FS3-42	6 F40T12RS	74	89.03	74.19	
	FOR SLIMLINE LAMPS				
1FS2-96	2 F96T12	67	72.08	60.06	
1FS3-96	3 F96T12	75	89.03	74.19	
	TYPE P (FOR METAL PAN CEILINGS) FOR RAPID-START BI-PIN LAMPS				
1PS2-20	2 F20T12	19	28.35	23.63	
1PS2-40	2 F40T12RS	32	39.38	32.81	
1PS2-42	4 F40T12RS	64	75.60	63.00	
1PS3-40	3 F40T12RS*	36	49.65	41.38	
1PS3-42	6 F40T12RS	68	89.03	74.19	
	FOR SLIMLINE LAMPS				
1PS2-96	2 F96T12	62	72.08	60.06	
1PS3-96	3 F96T12	70	89.03	74.19	
	TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS) FOR RAPID-START BI-PIN LAMPS				
1GS2-40	2 F40T12RS	32	38.63	32.19	
1GS3-40	3 F40T12RS	36	48.83	40.69	
	TYPE A (For Acousti-Line Type Ceilings—End Mounted) FOR RAPID-START BI-PIN LAMPS				
1AS2-40	2 F40T12RS	35	39.38	32.81	
1AS3-40	3 F40T12RS	40	49.65	41.38	

*All 2-42 and 3-42 units are furnished with 8′ housings.

One-foot and two-foot wide troffers with Fiberglas polarizing Light Panels are available on special order and price.

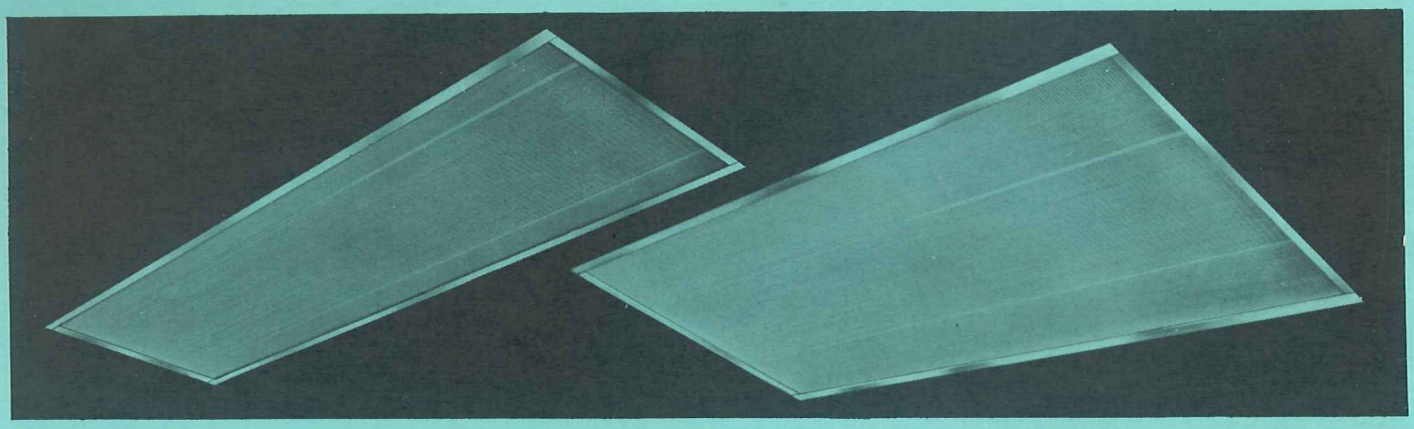
Color cells are easy to figure. Select troffer type and desired shielding. Multiply unit prices by number of troffers and you have the total cost. Includes everything required.

TWO-FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
	TYPE F (FLANGED TROFFERS) 2-FOOT WIDE x 2-FOOT LONG TRIGGER-START				
2FS2-20	2 F20T12	32	$40.95	$34.13	
2FS3-20	3 F20T12	36	47.25	39.38	
2FS4-20	4 F20T12	37	49.65	41.38	
	2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS				
2FS2-40	2 F40T12RS	51	59.85	49.88	
2FS3-40	3 F40T12RS	56	69.30	57.75	
2FS4-40	4 F40T12RS	57	71.70	59.75	
	TYPE P (FOR METAL PAN CEILINGS) 2-FOOT WIDE x 2-FOOT LONG TRIGGER-START				
2PS2-20	2 F20T12	31	37.43	31.19	
2PS3-20	3 F20T12	35	43.73	36.44	
2PS4-20	4 F20T12	36	46.13	38.44	
	2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS				
2PS2-40	2 F40T12RS	49	59.10	49.25	
2PS3-40	3 F40T12RS	54	68.55	57.13	
2PS4-40	4 F40T12RS	55	70.88	59.06	
	TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS) 2-FOOT WIDE x 2-FOOT LONG TRIGGER-START				
2GS2-20	2 F20T12	31	36.23	30.19	
2GS3-20	3 F20T12	35	42.53	35.44	
2GS4-20	4 F20T12	36	44.93	37.44	
	2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS				
2GS2-40	2 F40T12RS	49	58.28	48.56	
2GS3-40	3 F40T12RS	54	67.73	56.44	
2GS4-40	4 F40T12RS	55	70.13	58.44	
	TYPE A (For Acousti-Line Type Ceilings—End Mounted) 2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS				
2AS2-40	2 F40T12RS	51	59.10	49.25	
2AS3-40	3 F40T12RS	56	68.55	57.13	
2AS4-40	4 F40T12RS	57	70.88	59.06	

STYROTEX PLASTIC

A new shielding medium of clear, light-stabilized polystyrene. Lightweight, easy to handle. Modern, attractive ribbed pattern.



ONE–FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
FOR RAPID-START BI-PIN LAMPS					
1FX2-20	2 F20T12	18	**$27.23**	**$22.69**	
1FX2-40	2 F40T12RS	31	**32.33**	**26.94**	
1FX2-42	4 F40T12RS*	61	**61.43**	**51.19**	
1FX3-40	3 F40T12RS	36	**42.53**	**35.44**	
1FX3-42	6 F40T12RS*	66	**74.85**	**62.38**	
FOR SLIMLINE LAMPS					
1FX2-96	2 F96T12	59	**57.90**	**48.25**	
1FX3-96	3 F96T12	67	**74.85**	**62.38**	
TYPE P (FOR METAL PAN CEILINGS)					
FOR RAPID-START BI-PIN LAMPS					
1PX2-20	2 F20T12	17	**27.23**	**22.69**	
1PX2-40	2 F40T12RS	28	**32.33**	**26.94**	
1PX2-42	4 F40T12RS*	56	**61.43**	**51.19**	
1PX3-40	3 F40T12RS	32	**42.53**	**35.44**	
1PX3-42	6 F40T12RS*	60	**74.85**	**62.38**	
FOR SLIMLINE LAMPS					
1PX2-96	2 F96T12	54	**57.90**	**48.25**	
1PX3-96	3 F96T12	62	**74.85**	**62.38**	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
FOR RAPID-START BI-PIN LAMPS					
1GX2-40	2 F40T12RS	28	**31.50**	**26.25**	
1GX3-40	3 F40T12RS	32	**41.78**	**34.81**	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
FOR RAPID-START BI-PIN LAMPS					
1AX2-40	2 F40T12RS	31	**32.33**	**26.94**	
1AX3-40	3 F40T12RS	36	**42.53**	**35.44**	

*All 2-42 and 3-42 units are furnished with 8′ housings.

20-watt Troffers are furnished with Normal Power Trigger-Start Ballasts. They may be supplied with High Power Factor Ballasts on special order and price.

One-foot wide troffers are available on special order in the following units:

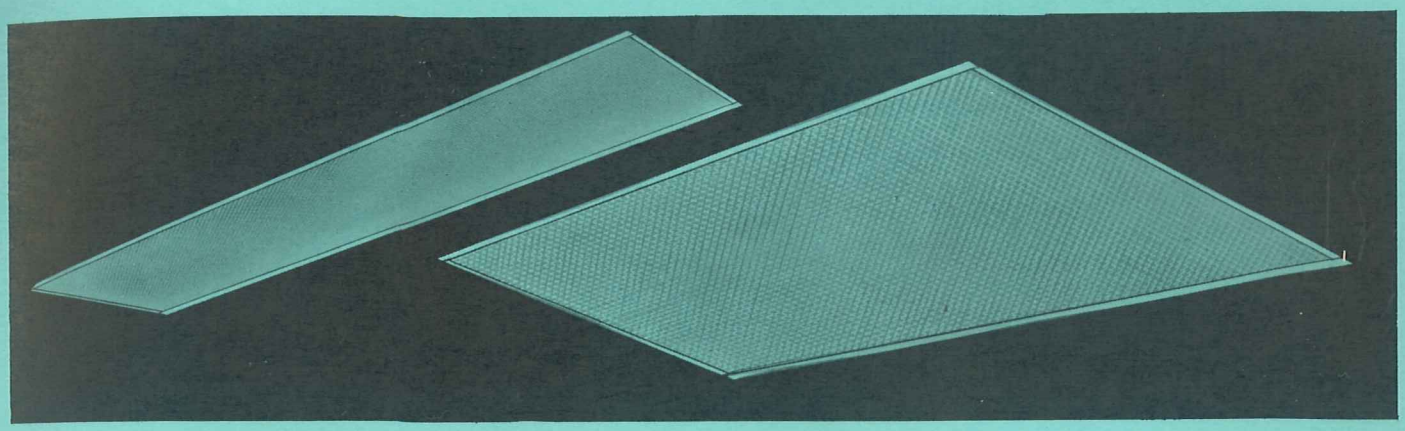
In 2-foot lengths for 3 F20T12 lamps.
In 3-foot lengths for 2 & 3 F30T12 lamps.
In 6-foot lengths for 2 & 3 F72T12 lamps.
In single lamp units for one 4′ Rapid-Start or for one 8′ Slimline lamp.

TWO–FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2FX2-20	2 F20T12	27	**$33.90**	**$28.25**	
2FX3-20	3 F20T12	31	**39.83**	**33.19**	
2FX4-20	4 F20T12	32	**42.15**	**35.13**	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2FX2-40	2 F40T12RS	42	**45.68**	**38.06**	
2FX3-40	3 F40T12RS	48	**55.13**	**45.94**	
2FX4-40	4 F40T12RS	49	**57.53**	**47.94**	
TYPE P (FOR METAL PAN CEILINGS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2PX2-20	2 F20T12	26	**30.38**	**25.31**	
2PX3-20	3 F20T12	30	**36.23**	**30.19**	
2PX4-20	4 F20T12	31	**38.63**	**32.19**	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2PX2-40	2 F40T12RS	40	**44.93**	**37.44**	
2PX3-40	3 F40T12RS	46	**54.38**	**45.31**	
2PX4-40	4 F40T12RS	47	**56.70**	**47.25**	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2GX2-20	2 F20T12	26	**29.18**	**24.31**	
2GX3-20	3 F20T12	30	**35.10**	**29.25**	
2GX4-20	4 F20T12	31	**37.43**	**31.19**	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2GX2-40	2 F40T12RS	40	**44.10**	**36.75**	
2GX3-40	3 F40T12RS	46	**53.55**	**44.63**	
2GX4-40	4 F40T12RS	47	**55.95**	**46.63**	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2AX2-40	2 F40T12RS	42	**44.93**	**37.44**	
2AX3-40	3 F40T12RS	48	**54.38**	**45.31**	
2AX4-40	4 F40T12RS	49	**56.70**	**47.25**	

ACRYLIC FLAT REFRACTOR

One-piece lightweight acrylic flat refractor provides glare-free illumination and carefully controlled light distribution. No discoloration.



ONE–FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
FOR RAPID-START BI-PIN LAMPS					
1FP2-20	2 F20T12	18	$30.75	$25.63	
1FP2-40	2 F40T12RS	31	40.20	33.50	
1FP2-42	4 F40T12RS*	61	77.18	64.31	
1FP3-40	3 F40T12RS	36	49.28	41.06	
1FP3-42	6 F40T12RS*	66	88.20	73.50	
FOR SLIMLINE LAMPS					
1FP2-96	2 F96T12	59	72.45	60.38	
1FP3-96	3 F96T12	67	88.20	73.50	
TYPE P (FOR METAL PAN CEILINGS)					
FOR RAPID-START BI-PIN LAMPS					
1PP2-20	2 F20T12	17	30.75	25.63	
1PP2-40	2 F40T12RS	28	40.20	33.50	
1PP2-42	4 F40T12RS*	56	77.18	64.31	
1PP3-40	3 F40T12RS	33	49.28	41.06	
1PP3-42	6 F40T12RS*	61	88.20	73.50	
FOR SLIMLINE LAMPS					
1PP2-96	2 F96T12	54	72.45	60.38	
1PP3-96	3 F96T12	62	88.20	73.50	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
FOR RAPID-START BI-PIN LAMPS					
1GP2-40	2 F40T12RS	28	39.38	32.81	
1GP3-40	3 F40T12RS	33	48.45	40.38	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
FOR RAPID-START BI-PIN LAMPS					
1AP2-40	2 F40T12RS	31	40.20	33.50	
1AP3-40	3 F40T12RS	36	49.28	41.06	

*All 2-42 and 3-42 units are furnished with 8′ housings.

One-foot and two-foot wide troffers with Fiberglas Polarizing Light Panels are available on special order and price.

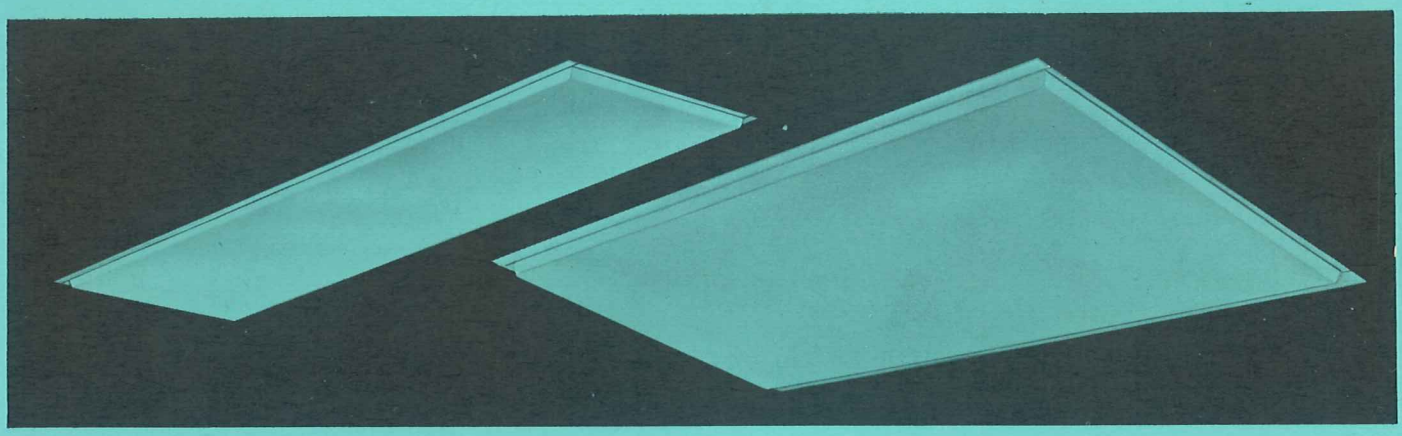
Troffer costs are easy to figure. Select troffer type and desired shielding. Multiply unit prices by number of troffers and you have the total cost. Includes everything required.

TWO–FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2FP2-20	2 F20T12	28	$37.43	$31.19	
2FP3-20	3 F20T12	35	42.53	35.44	
2FP4-20	4 F20T12	36	44.93	37.44	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2FP2-40	2 F40T12RS	43	57.90	48.25	
2FP3-40	3 F40T12RS	48	67.35	56.13	
2FP4-40	4 F40T12RS	49	69.75	58.13	
TYPE P (FOR METAL PAN CEILINGS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2PP2-20	2 F20T12	27	33.90	28.25	
2PP3-20	3 F20T12	34	39.00	32.50	
2PP4-20	4 F20T12	35	41.40	34.50	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2PP2-40	2 F40T12RS	41	57.15	47.63	
2PP3-40	3 F40T12RS	46	66.60	55.50	
2PP4-40	4 F40T12RS	47	68.93	57.44	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2GP2-20	2 F20T12	27	32.70	27.25	
2GP3-20	3 F20T12	34	37.80	31.50	
2GP4-20	4 F20T12	35	40.20	33.50	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2GP2-40	2 F40T12RS	41	56.33	46.94	
2GP3-40	3 F40T12RS	46	65.78	54.81	
2GP4-40	4 F40T12RS	47	68.18	56.81	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2AP2-40	2 F40T12RS	43	57.15	47.63	
2AP3-40	3 F40T12RS	48	66.60	55.50	
2AP4-40	4 F40T12RS	49	68.93	57.44	

ACRYLIC DISH

One-piece acrylic dish in hinged door frame. Provides glare-free illumination and superior light distribution. No discoloration.



ONE-FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
FOR RAPID-START BI-PIN LAMPS					
1FAD2-40	2 F40T12RS	31	$40.50	$33.75	
1FAD2-42	4 F40T12RS*	61	78.00	65.00	
1FAD3-40	3 F40T12RS	36	49.88	41.56	
1FAD3-42	6 F40T12RS*	66	90.00	75.00	
FOR SLIMLINE LAMPS					
1FAD2-96	2 F96T12	59	76.50	63.75	
1FAD3-96	3 F96T12	67	91.88	76.56	
TYPE P (FOR METAL PAN CEILINGS)					
FOR RAPID-START BI-PIN LAMPS					
1PAD2-40	2 F40T12RS	28	40.50	33.75	
1PAD2-42	4 F40T12RS*	55	78.00	65.00	
1PAD3-40	3 F40T12RS	32	49.88	41.56	
1PAD3-42	6 F40T12RS*	60	90.00	75.00	
FOR SLIMLINE LAMPS					
1PAD2-96	2 F96T12	54	76.50	63.75	
1PAD3-96	3 F96T12	64	91.88	76.56	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
FOR RAPID-START BI-PIN LAMPS					
1GAD2-40	2 F40T12RS	28	39.75	33.13	
1GAD3-40	3 F40T12RS	32	49.13	40.94	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
FOR RAPID-START BI-PIN LAMPS					
1AAD2-40	2 F40T12RS	31	40.50	33.75	
1AAD3-40	3 F40T12RS	36	49.88	41.56	

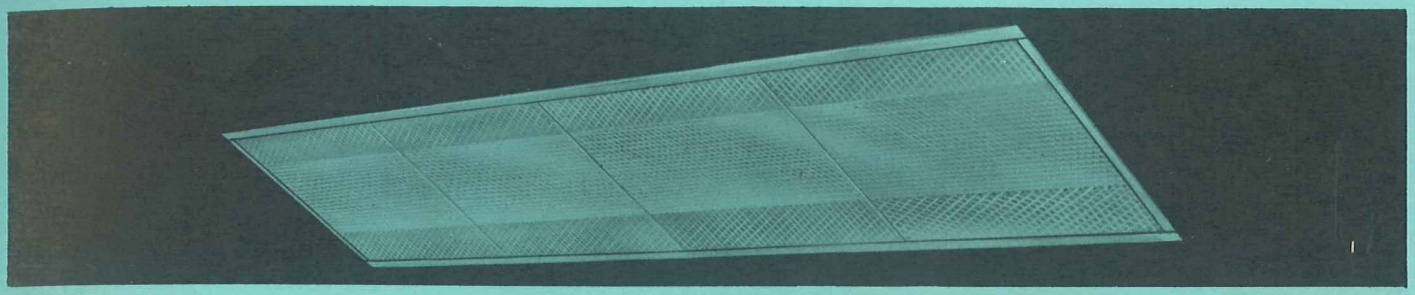
20-watt Troffers are furnished with Normal Power Trigger-Start Ballasts. They may be supplied with High Power Factor Ballasts on special order and price.

TWO-FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2FAD2-20	2 F20T12	25	$39.75	$33.13	
2FAD3-20	3 F20T12	30	45.75	38.13	
2FAD4-20	4 F20T12	31	48.00	40.00	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2FAD2-40	2 F40T12RS	47	59.63	49.69	
2FAD3-40	3 F40T12RS	52	68.63	57.19	
2FAD4-40	4 F40T12RS	53	70.88	59.06	
TYPE P (FOR METAL PAN CEILINGS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2PAD2-20	2 F20T12	24	36.38	30.31	
2PAD3-20	3 F20T12	29	42.38	35.31	
2PAD4-20	4 F20T12	30	44.63	37.19	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2PAD2-40	2 F40T12RS	45	58.88	49.06	
2PAD3-40	3 F40T12RS	50	67.88	56.56	
2PAD4-40	4 F40T12RS	51	70.13	58.44	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
2-FOOT WIDE x 2-FOOT LONG TRIGGER-START					
2GAD2-20	2 F20T12	24	35.25	29.38	
2GAD3-20	3 F20T12	29	41.25	34.38	
2GAD4-20	4 F20T12	30	43.50	36.25	
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2GAD2-40	2 F40T12RS	45	58.13	48.44	
2GAD3-40	3 F40T12RS	50	67.13	55.94	
2GAD4-40	4 F40T12RS	50	69.38	57.81	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
2-FOOT WIDE x 4-FOOT LONG FOR RAPID-START BI-PIN LAMPS					
2AAD2-40	2 F40T12RS	47	58.88	49.06	
2AAD3-40	3 F40T12RS	52	67.88	56.56	
2AAD4-40	4 F40T12RS	53	70.13	58.44	

HOLOPHANE CONTROLENS® #9022

Controls light lengthwise as well as crosswise. Provides pleasing uniformity of illumination. Lens is made of crystal, non-specular glass.



ONE-FOOT WIDE TROFFERS

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE F (FLANGED TROFFERS)					
FOR RAPID-START BI-PIN LAMPS					
1FHV2-20	2 F20T12	22	$32.70	$27.25	
1FHV2-40	2 F40T12RS	40	42.53	35.44	
1FHV2-42	4 F40T12RS*	79	81.15	67.63	
1FHV3-40	3 F40T12RS	45	51.98	43.31	
1FHV3-42	6 F40T12RS*	84	93.75	78.13	
FOR SLIMLINE LAMPS					
1FHV2-96	2 F96T12	77	80.78	67.31	
1FHV3-96	3 F96T12	85	93.75	78.13	

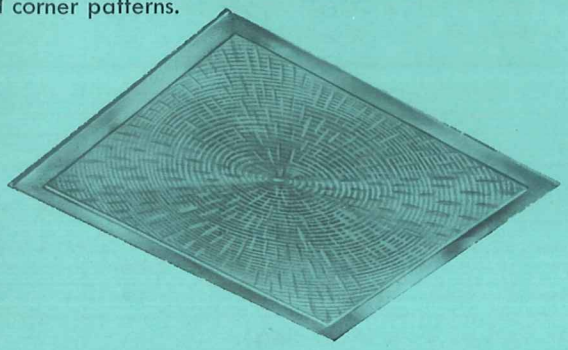
*All 2-42 and 3-42 units are furnished with 8′ housings.

Troffer costs are easy to figure. Select troffer type and desired shielding. Multiply unit prices by number of troffers and you have the total cost. Includes everything required.

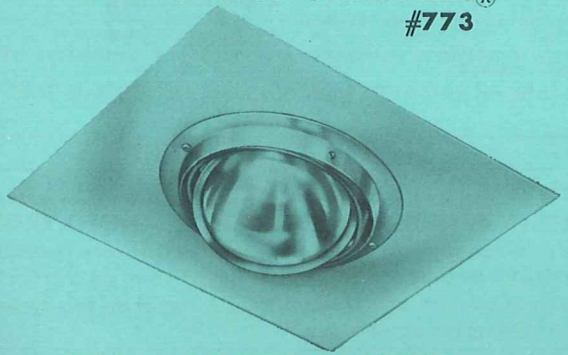
Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
TYPE P (FOR METAL PAN CEILINGS)					
FOR RAPID-START BI-PIN LAMPS					
1PHV2-20	2 F20T12	21	$32.70	$27.25	
1PHV2-40	2 F40T12RS	37	42.53	35.44	
1PHV2-42	4 F40T12RS*	74	81.15	67.63	
1PHV3-40	3 F40T12RS	41	51.98	43.31	
1PHV3-42	6 F40T12RS*	78	93.75	78.13	
FOR SLIMLINE LAMPS					
1PHV2-96	2 F96T12	72	80.78	67.31	
1PHV3-96	3 F96T12	80	93.75	78.13	
TYPE G (FOR EXPOSED INVERTED "T" SYSTEMS)					
FOR RAPID-START BI-PIN LAMPS					
1GHV2-40	2 F40T12RS	37	41.78	34.81	
1GHV3-40	3 F40T12RS	41	51.23	42.69	
TYPE A (For Acousti-Line Type Ceilings—End Mounted)					
FOR RAPID-START BI-PIN LAMPS					
1AHV2-40	2 F40T12RS	40	42.53	35.44	
1AHV3-40	3 F40T12RS	45	51.98	43.31	

Smithcraft SPOT BOXES

Spot Boxes may be used for individual, end of row, or intermediate mounting. Also for cross patterns, T-patterns and corner patterns.



WITH HOLOPHANE CONTROLENS® #773



WITH ADJUSTABLE SPOTLIGHT

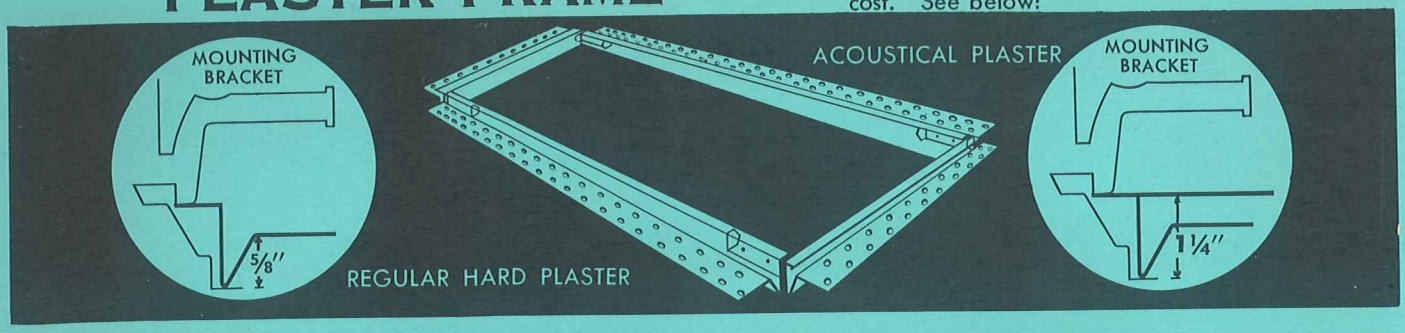
Catalog No.	Type	User Net Price	Contr-Dealer Net Price	
WITH HOLOPHANE CONTROLENS® #773 (For 150-watt PS-25 lamp)				
SBHF	Flanged for individual mounting, end of row or intermediate mounting in continuous rows	$20.10	$16.75	
SBHF-1	Flanged for corner mounting in patterns	20.10	16.75	
SBHP	Flangeless	18.90	15.75	
WITH ADJUSTABLE SPOTLIGHT (For PAR 38 side prong lamp)				
SBGF	Flanged for individual mounting, end of row or intermediate mounting in continuous rows	16.95	14.13	
SBGF-1	Flanged for corner mounting in patterns	16.95	14.13	
SBGP	Flangeless	15.75	13.13	

®Holophane Company, Inc.

PLASTER FRAME FOR SPOT BOX				
A-2015-R	For plaster up to 5/8″ thick	2.40	2.00	
A-2015-A	For plaster up to 1¼″ thick	3.60	3.00	

Smithcraft
PLASTER FRAME

Recommended for use with new plaster ceilings. Simple to assemble and install. For pattern arrangements with the use of plaster frames, special plaster frame is required at additional cost. See below:



PLASTER FRAME (For Plaster up to 5/8" Thick—FOR TYPE "F" (FLANGED) TROFFERS ONLY
ONE-FOOT WIDE TROFFERS (Individual or End of Row Mounting)*
*In continuous row mounting one of these units is required per row.

Catalog No.	Length	Consists of:	User Net Price	Contr-Dealer Net Price	
R1002	2′	2 sides, 2 spacer-ends with connectors attached	$3.08	$2.56	
R1004	4′	2 sides, 2 spacer-ends with connectors attached	4.50	3.75	
For an 8′ troffer unit individually mounted order one R1004 and one R1004-C.					

Intermediate in Continuous Rows

For continuous rows of troffers, order one individual or end of row unit (above) plus sufficient footage of intermediate units (below) to complete the length of row.

R1002-C	2′	2 sides, 1 spacer-end with connectors attached	2.48	2.06	
R1004-C	4′	2 sides, 1 spacer-end with connectors attached	3.38	2.81	

TWO-FOOT WIDE TROFFERS (Individual or End of Row Mounting)
In continuous row mounting one of these units is required per row.

R2002	2′	2 sides, 2 spacer-ends with connectors attached	3.90	3.25	
R2004	4′	2 sides, 2 spacer-ends with connectors attached	5.18	4.31	

Intermediate in Continuous Rows

For continuous rows of troffers, order one individual or end of row mounting unit (above) plus sufficient footage of intermediate units (below) to complete the length of row.

R-2002-C	2′	2 sides, 1 spacer-end with connectors attached	3.60	3.00	
R-2004-C	4′	2 sides, 1 spacer-end with connectors attached	4.35	3.63	

For Plaster up to 1¼" Thick (Acoustical Plaster) FOR TYPE "F" (FLANGED) TROFFERS ONLY
ONE-FOOT WIDE TROFFERS (Individual or End of Row Mounting)
In continuous row mounting one of these units is required per row.

A1002	2′	2 sides, 2 spacer-ends with necessary connectors attached	4.28	3.56	
A1004	4′	2 sides, 2 spacer-ends with necessary connectors attached	6.00	5.00	
For an 8′ troffer unit individually mounted, order one A1004 and one A1004-C					

Intermediate in Continuous Rows

For continuous rows of troffers, order one individual or end of row unit (above) plus sufficient footage of intermediate units (below) to complete the length of row.

A1002-C	2′	2 sides, 1 spacer-end with connectors attached	3.68	3.06	
A1004-C	4′	2 sides, 1 spacer-end with necessary connectors attached	4.95	4.13	

TWO-FOOT WIDE TROFFERS (Individual or End of Row Mounting)
In continuous row mounting one of these units is required per row.

A2002	2′	2 sides, 2 spacer-ends with connectors attached	5.48	4.56	
A2004	4′	2 sides, 2 spacer-ends with connectors attached	7.13	5.94	

Intermediate in Continuous Rows

For continuous rows of troffers, order one individual or end of row unit (above) plus sufficient footage of intermediate units (below) to complete the length of row.

A2002-C	2′	2 sides, 1 spacer-end with connectors attached	5.18	4.31	
A2004-C	4′	2 sides, 1 spacer-end with connectors attached	6.30	5.25	

PLASTER FRAME PATTERN ARRANGEMENTS

For Pattern Arrangements with Plaster Frames, supply rough dimensional sketch of pattern desired. Corner Framing is required for each right angle corner of pattern at additional cost. Prices include necessary coping of troffer flanges.

RA-2000	$10.40	$8.66	
	per each right angle corner of pattern		

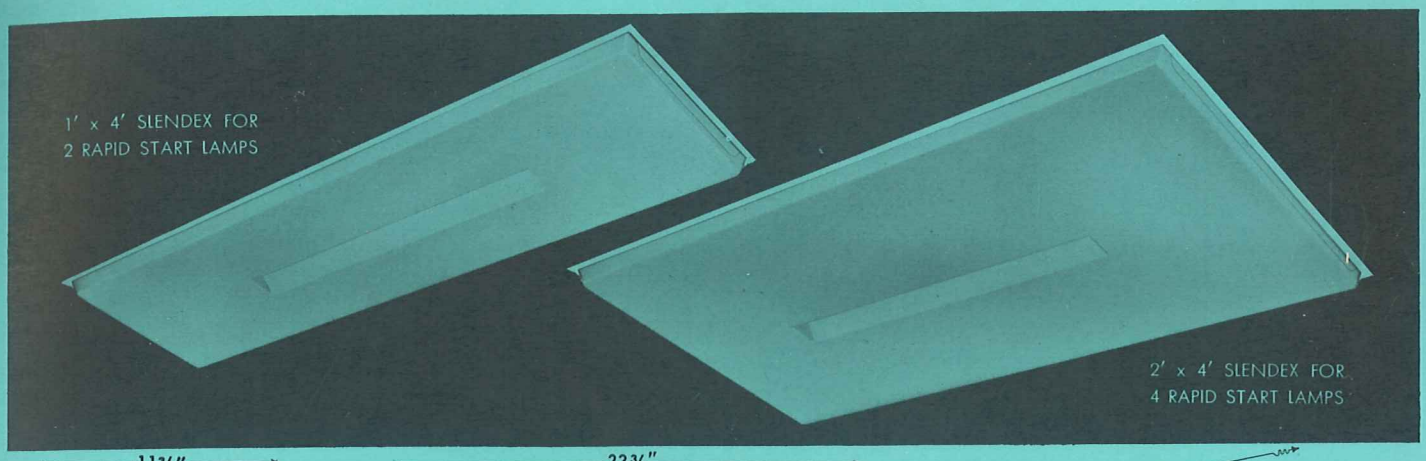
PATTERN ARRANGEMENTS WITH FLANGED TROFFERS

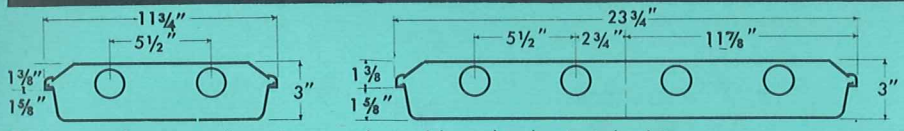
Pattern arrangements with flanged troffers are possible for "T" and "L" patterns and patterns in the form of a cross. Send sketches of pattern and troffers will be furnished ready to insure proper alignment at job.

PTF	$4.13	$3.44	
	cost per intersection		

SLENDEX (RECESSED) 1′ and 2′ WIDE

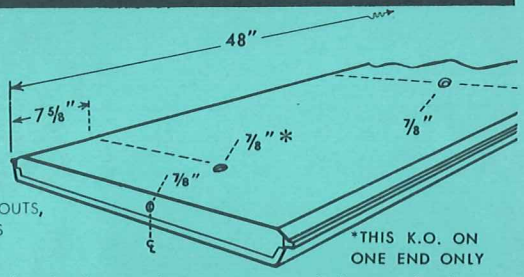
A unique and practical solution to absolute minimum cavity — low ceiling conditions to save on building heights and construction costs. Units recess only 1⅜″ . . . less than the depth of most ceiling supporting members.





Eliminates the cost of cutting members. May also be installed in existing ceilings requiring only 1⅜″ in cavity depth with no disturbance of existing ceiling supporting members. Shielded by an extruded and formed polystyrene diffusing panel, surface is cleanly and uniformly lighted with no dark streaks and no light leaks. Panels are of medium impact strength, break resistance and light stability after prolonged use. Require only one man installation. Units go into ceiling flat requiring no extra depth for tilting. Four indicators are turned 90° and the troffer is supported on ceiling members. Four adjusting nuts are then turned for final up and down adjustment. In inverted "T" systems one side of the unit is compressible. Installed quickly and easily in most of today's common ceilings.

NOTE: It is important when ordering to supply row information (number of rows and number of units per row) and type of ceiling construction so that necessary fittings will be supplied.



NOTE: Units listed will cover the great majority of all types of ceiling construction in use today. There may be instances, however, where it is desirable to support troffers from ceiling members (1½″ channel or other) which are positioned more than 1⅝″ above the ceiling line. In these cases special hanger brackets (4 per fixture — Cat. No. SX37) are required on special order. These brackets will support troffers on members which are recessed up to 3¾″ above the ceiling line.

Catalog No.	Special Hanger Bracket	User Net Price	Contr. Dealer Net Price	
SX37	(4 required per fixture)	.75 each	.63 each	

ONE-FOOT WIDE (1′ x 4′) FOR RAPID-START BI-PIN LAMPS TWO-FOOT WIDE (2′ x 4′)

FOR EXPOSED INVERTED "T" SYSTEMS SUCH AS EASTERN, CUPPLES, ETC. (WHERE MAIN RUNNERS ARE PARALLEL TO UNIT.)

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
RSXG2-40	2 F40T12RS	19	$33.00	$27.50	

Catalog No.	No. and Type of Lamps	Ship. Wt.	User Net Price	Contr-Dealer Net Price	
RSXG4-40	4 F40T12RS	32	$59.40	$49.50	

FOR METAL PAN CEILINGS SUPPORTED BY T-BARS

RSXT2-40	2 F40T12RS	20	33.75	28.13	

RSXT4-40	4 F40T12RS	33	59.85	49.88	

FOR SOFT TILE CEILINGS SUPPORTED BY Z-SPLINES, H-SPLINES, ETC. (FLANGED SLENDEX UNITS)

RSXF2-40	2 F40T12RS	20	34.88	29.06	

RSXF4-40	4 F40T12RS	33	61.50	51.25	

FOR STANDARD PLASTER CEILINGS UP TO ⅝″ THICK (FLANGED SLENDEX UNITS) SUPPLIED WITH NECESSARY PLASTER FRAME*

RSXP2-40	2 F40T12RS	26	39.00	32.50	

RSXP4-40	4 F40T12RS	44	66.00	55.00	

***For acoustical plaster ceilings up to 1¼″ thick specify "acoustical plaster frame" on order and add per linear foot of troffer**

A2010	1′ wide units	.26	.21	Add per linear foot of troffer

A2011	2′ wide units	.38	.31	Add per linear foot of troffer

SLENDEX UNITS FOR SURFACE MOUNTING ARE ALSO AVAILABLE.

SEE PAGE 7

Recesses only 1⅜″ — less than the depth of most ceiling members . . . eliminates cost of cutting members.

Architecturally clean, uniformly lighted plastic diffusing panel—inverted pattern in center eliminates dark center streak.

Plastic panel may be changed to hinge on opposite side of fixture, if required.



Plastic panel releases and closes quickly and efficiently with simple finger action.

No light leaks.

One-man, simple, fast installation. Goes in flat . . . requires no cavity depth for tilting.

May be installed easily in existing ceilings, requiring only 1⅜″ in cavity depth and no disturbance of existing ceiling supporting members.

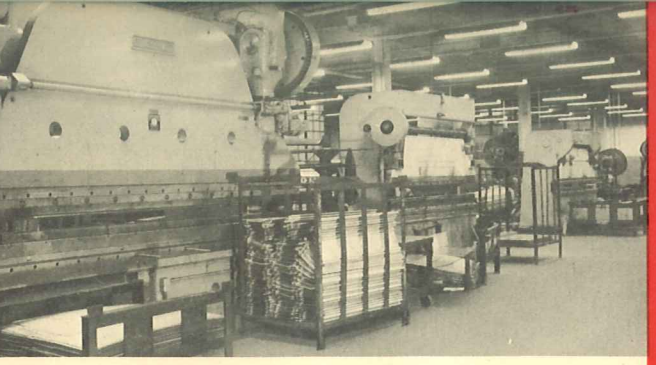
Smithcraft

CORPORATION

CHELSEA 50, MASSACHUSETTS

Smithcraft AMERICA'S FINEST FLUORESCENT LIGHTING

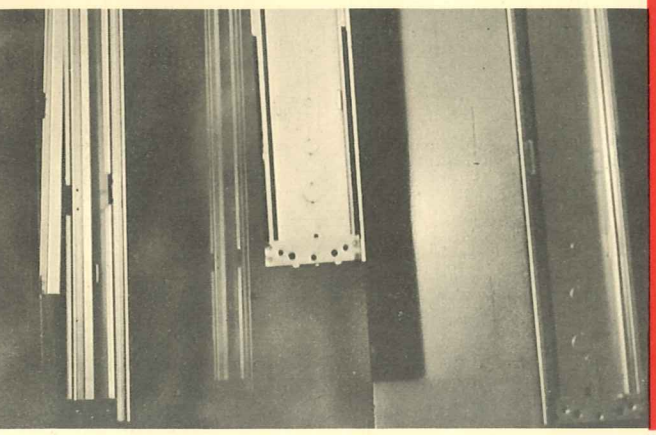
Form No. 222-12-59-RL
PRINTED IN U.S.A.



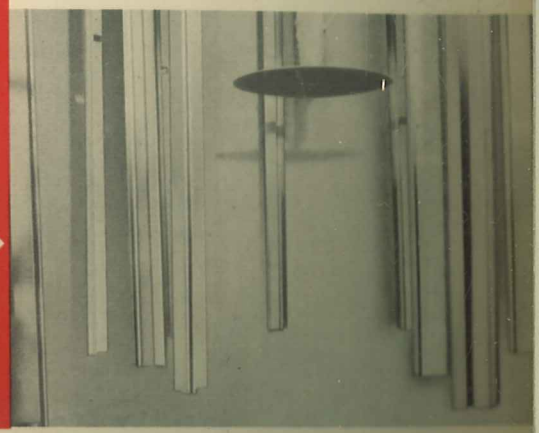
in the Smithcraft Fabrication Building where progressive production methods complement more than 50 years of experience.



Storage of fabricated parts is important to keep up with Smithcraft's modern production and assembly lines.



The first operation after units are hung on the overhead conveyor is a 5-stage Bonderizing process for cleaning, rust-proofing and paint preparation for metal parts. Fixtures are shown entering the tunnel.

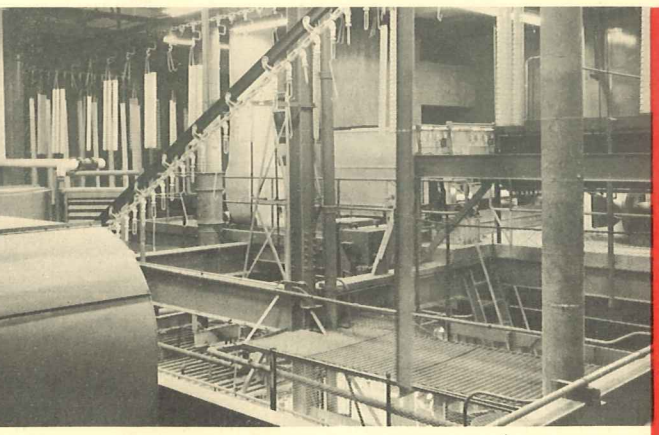


Smithcraft's electrostatic painting process utilizes a reciprocating disc which spins and dispenses finish to all parts of products traveling on the overhead conveyor. This disc moves up and down automatically to spray the entire length of the component.

THE NEW *Smithcraft* BONDERITE AND BAKED ENAMEL FINISH

Smithcraft painting process consists of the finest and most modern Bonderite and Baked Enamel Finish combination in use in the lighting industry today. In addition to its superior appearance, the new Smithcraft finish also has these outstanding qualities:

- Adheres firmly to metal
- Stays white indefinitely without yellowing
- Provides positive resistance to chemicals and heat
- Resists abrasion because of optimum hardness
- Reflects a maximum percentage of light.



After painting, fixtures continue on the conveyor to the baking ovens.



Assembly areas are large, clean and well-lighted. Flat belt conveyors aid efficient assembly movements.



After assembly and packaging, products are brought to finished goods section where orders can be quickly and efficiently routed to every part of the country.

Smithcraft Photometric Laboratory checks carefully on all fixtures during design stages and supplies complete photometric data on all Smithcraft units.

AMERICA'S FINEST FLUORESCENT LIGHTING

Smithcraft

LIGHTING

CHELSEA 50, MASSACHUSETTS